





Digitized by the Internet Archive  
in 2014

<https://archive.org/details/b19974760M1774>

# THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER:  
BANK 852 (two lines)

Established in  
**ENGLAND, 1859.]**

TELEGRAPHIC ADDRESS:  
"CHEMUS LONDON."

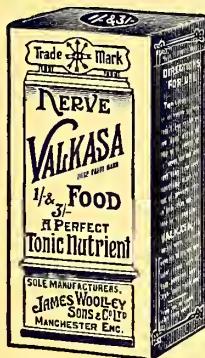
Established in  
**[AUSTRALASIA, 1885.**

Registered as a Newspaper.  
Published Weekly at 42 CANNON STREET,  
LONDON, E.C.

No. 1,693. VOL. LXXXI.

JULY 6, 1912.

{ Subscription, 10s. per annum, including Diary.  
Free the World over. Single Copies, 6d. each.  
Winter and Summer Issues, 1s. each. Post Free.



VALKASA is on the P.A.T.A. List and sells at Face Value.

## VALKASA. (REGISTERED TRADE MARK.)

A COMBINATION OF SOLUBLE MILK CASEIN WITH GLYCEROPHOSPHATES, CONSTITUTING AN IDEAL

## TONIC NERVE FOOD.

Minimum Retail Price, in 2-oz. & 8-oz. Tins, 1/- & 3/- each. Showcards, Circulars, &c., supplied free.  
STOCKED BY THE LONDON WHOLESALE HOUSES.

JAMES WOOLLEY, SONS & Co., Ltd., MANCHESTER

## 'PANOPEPTON'

BEEF & WHEAT  
predigested and preserved in a sound sherry.

## 'LAIBOSE'

A DRY FOOD.  
Composed of the solids of MILK and WHEAT.  
Requires no cooking; simply the addition of hot water.

Supplied in  $\frac{1}{2}$ -lb. tins at 24/- and 2-lb. tins at 80/- per dozen, Subject.

Both these food products are sustaining, palatable and acceptable to the delicate stomach.

Made by  
**FAIRCHILD BROS. & FOSTER**  
NEW YORK.

Agents:  
BURROUGHS WELLCOME & CO.  
London, Sydney, Cape Town.

## SQUIRE'S STANDARD PREPARATIONS.

### LECITHIN PREPS.

ELIXIR LECITHIN (Squire)  
" " with GLYPHOCAL.

LECITHIN TABLETS.  
" " with GLYPHOCAL.

### PHOSPHATE PREPS.

### FEROCAL.

#### GLYPHOCAL.

" with STRYCHNINE.  
" " HÆMOGLOBIN.  
" " FORMATES.  
" " and STRYCHNINE.  
" " MEDULLA RUB.

Write for PRICE LIST,  
3rd Appendix, and leaflets of

SQUIRE'S COMPANION and  
SQUIRE'S LONDON HOSPITALS.

## Extract of QUASSIA

" ALLEN'S "  
for  
**APHIS**  
on your  
**ROSE TREES.**

We use it on  
**OURS.**

Wholesale only.  
**STAFFORD ALLEN & SONS,**  
LIMITED.  
Manufacturing Chemists,  
LONDON AND LONG MELFORD.

HIGHEST AWARDS - INTERNATIONAL EXHIBITIONS  
"Y<sup>e</sup> Oldest Effence Distillers"  
FOR  
HIGHEST CLASS AERATED WATERS

MELBOURNE PARIS MOSCOW SYDNEY NEW YORK MONTREAL

# ESSENCES ESSENTIAL OILS CHEMICALS

Etc., Etc.,  
— GUARANTEED PURE —  
FOR SAMPLES & QUOTATIONS APPLY TO:-

**W.J. BUSH & CO, LTD.**  
FACTORIES:-  
HACKNEY  
MITCHAM  
MESSINA  
GRASSE

ASH GROVE, HACKNEY  
**LONDON, N.E.**

BRUSSELS EXHIBITION 1910 - Two Grands Prix

**LAST FEW DAYS OF  
OUR SPECIAL OFFER**

*re*

# Cox's PHOSPH TONIC.

The popular Nerve Tonic Drops, packed in vials, neatly cartoned, two sizes,  $7\frac{1}{2}$ d. & 1s., containing Phosphoric Acid, Quinine, etc.

$7\frac{1}{2}$ d. size - 3/- per doz.

1/- size - 5/- per doz.

**SPECIAL  
OFFER.**

If you will order, on the Coupon below, three dozen either size Phosph Tonic, we will supply you with a

**Bonus Dozen Free**

The Coupon must be sent in before July 6th.



THREE distinct styles,  
**SILENT SALESMAN  
OUTERS,** ::

POWERFUL SELLING  
SHOWCARDS FREE.

N.B.—Our Phosph Tonic infringes no Trade Mark, nor is it a colourable imitation of any advertised speciality.

Printed with Chemist's Name and Address on 3-dozen lots. Your name appears on the Carton label and the Bottle label.

**COUPON.**

Name .....

Address .....

Please send Three dozen Phosph Tonic and One extra dozen free, together with Salesman Outers, and Free Showcards, as per your Special Offer.

Arthur H. Cox & Co., Ltd.,  
Brighton.

Size required .....



**ARTHUR H. COX & CO., Ltd.,**

Manufacturing Chemists, BRIGHTON.

ESTABLISHED 1826.

# Philip Josephs & Sons,

**Limited.**

SHOP-FITTERS,

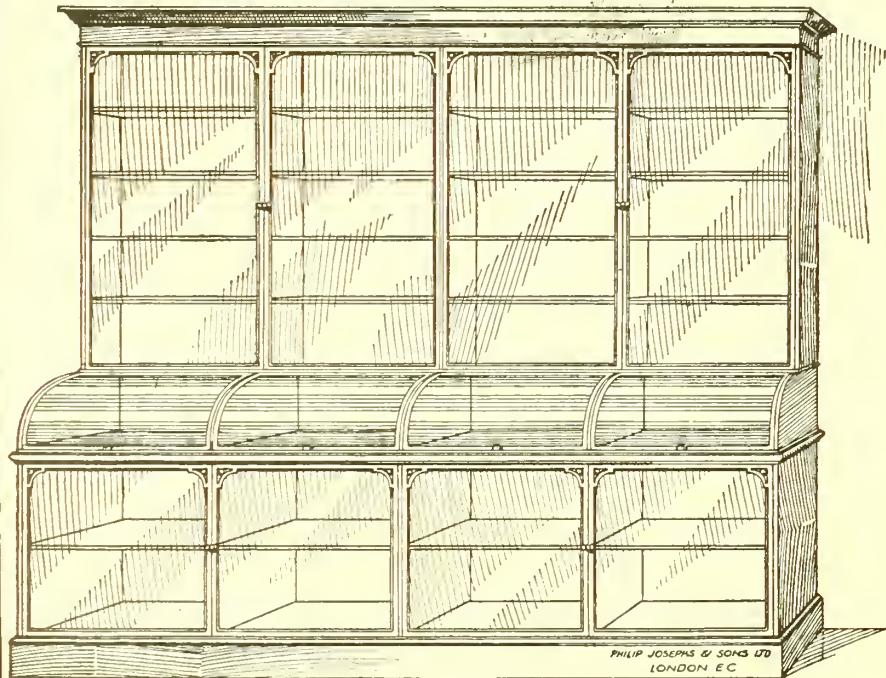
93 OLD ST., LONDON, E.C.

'PHONE : 9057 LONDON WALL.

WIRES : "JOSIPHIAH LONDON."

**SPECIALISTS in SHOWCASES for the  
DRUG TRADE.**

Illustrated lists post free on application.



No. 79.

**No. 79****SPECIFICATION.**

Constructed of solid Mahogany, with cases in three heights. The upper and lower cases are glazed with selected 21-oz. glass, and fitted inside with adjustable polished edge wood shelves. The bent centre case opens with lift-up plate glass falls, and is lined with silvered plate glass at back.

|                         |          |
|-------------------------|----------|
| 4 ft. long × 9 ft. high | £10 17 6 |
| 5 ft. , , ,             | 12 15 0  |
| 6 ft. , , ,             | 14 15 0  |
| 7 ft. , , ,             | 17 0 0   |
| 8 ft. , , ,             | 19 10 0  |
| 10 ft. , , ,            | 22 10 0  |
| 12 ft. , , ,            | 25 0 0   |
| 14 ft. , , ,            | 30 10 0  |

**Vibrona**

The IDEAL TONIC WINE

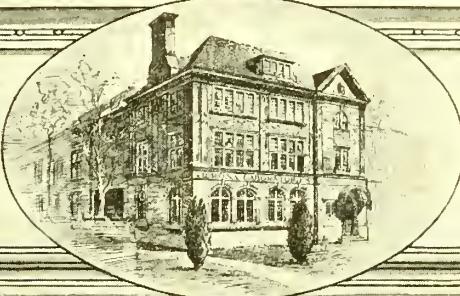
The following are our Minimum Wholesale Prices and terms for

**GREAT BRITAIN.**

1 doz. @ 36/- per doz. net, carriage forward.  
 2 doz. @ 36/- per doz. net, carriage paid.  
 3 doz. @ 35/- per doz. net, carriage paid.  
 15 doz. @ 35/- per doz. less 2½ per cent. discount, carriage paid.  
 36 doz. @ 35/- per doz. less 5 per cent. discount, carriage paid.

*The Minimum Retail Price is 3/9 per bottle.*

It will be seen that the profit on a single case of 3-dozen VIBRONA is £1 10s., and, if advantage be taken of our maximum discount of 5 per cent. for 36 dozen, the net profit realised on the sale amounts to over £21.



SOLE PROPRIETORS  
**FLETCHER, FLETCHER & C° LTD., LONDON & SYDNEY**

COPYRIGHT.

# Cook's Soaps

**PURE**

Put up as your own proprietary  
lines at prices which will show you

**GOOD PROFITS**

and in styles that will ensure you

**GOOD BUSINESS**

*For Example:—*

We can supply you with a tablet to sell at 2d.  
These Soaps are unwrapped, can be stamped  
in a variety of Moulds, and you have the  
choice of an assortment of over 30 perfumes.

This is only one of scores of similar  
advantageous offers we can make you.

**WE CAN CATER FOR  
YOUR REQUIREMENTS**

and we are confident that we can not only please  
you and your customers but bring you increased  
business.

Send us a Postcard and state your requirements.

***EDWARD COOK & CO. Ltd. The Soap Specialists,  
BOW, LONDON, E.***

# INDEX TO ADVERTISEMENTS IN THIS ISSUE.

**HEAD OFFICE:** 42 Cannon Street, London, E.C. Telegraphic Address: "CHEMUS LONDON." Telephone No. 1852, Bank.  
**BRANCH OFFICES:** MELBOURNE, SYDNEY, AND ADELAIDE, AUSTRALIA.

**The Arabic numerals (1 to 32) In this Index refer to Advertisements in front of the literary pages: the Advertisements following the literary pages are numbered in Roman numerals (i to xxii)**

| Page                                     | Page  |
|--|---|
| Aironal, Ltd. ....10, 11                 | Kershaw, H. E., Ltd. ....vii                        |
| Alcock's Plasters .....xvi               | Knight, W. ....Col. Supp.                           |
| Allen, Stafford, & Sons, Ltd. ....Cover  | Leslies, Ltd. ....x                                 |
| Alliance Drug & Chemical Co. ....ix      | Levermore, A., & Co., Ltd. ....vii                  |
| Allison, J. R. B. ....Col. Supp.         | Lloyd, T. Howard, & Co. ....50                      |
| Anglo-Indian Drug & Chem. Co. ....vi     | Lofthouse & Saltmer, Ltd. ....50                    |
| Apollo Liqu. Juice .....vi               | London & Col. Manfg. Co. ....26                     |
| Asche, C. F., & Co. ....vii              | London College .....18                              |
| Ashton & Parsons, Ltd. ....xxi           | London Commercial Co. for<br>Russia, Ltd. ....xiv   |
| Bailey, W. H., & Son .....xvi            | McAdam & Tuckniss ..Col. Supp.                      |
| Baker, Parson C. ....Col. Supp.          | Macfarlan, J. F., & Co. ....v                       |
| Barnett & Foster .....28                 | Macnae, A., & Co. ....xiii                          |
| Barnetts Perfumery, Ltd. ....12          | Maw, S., Son & Sons .....27                         |
| Barraclough, J., & Co. ....26            | May, Roberts & Co., Ltd. Cover                      |
| Beaton Clark & Co., Ltd. ....xvi         | Millar, A., & Co., Ltd. ....28                      |
| Beetham, M., & Son .....14               | Mitchell, N. W., Ltd. ....12                        |
| Benzoate of Soda .....iv                 | Naef, M., & Co. Sucers. ....12                      |
| Berdoo & Fish .....Col. Supp.            | Natural Food Co., Ltd. ....29                       |
| Bishop, A., Ltd. ....i                   | Neave, Josiah R., & Co. ....15                      |
| Blythe, W., & Co., Ltd. ....xii          | North Eastern Railway .....xv                       |
| Bond's Marking Ink .....16               | North of England School .....18                     |
| Brady & Martin, Ltd. ....vi              | Northern College of Pharmacy 18                     |
| Brett & Co. ....Col. Supp.               | Norwich Crepe (1856), Ltd. ....20                   |
| Bristol-Myers Co. ....29                 | Nyto Preparations, Ltd. ....xvi                     |
| British Drug Houses, Ltd. ....The 32     | Oldfield, Pattinson & Co. ....9                     |
| Brook, Parker & Co. ....24               | Ollif Bros. ....xiv                                 |
| Brunner Mond & Co., Ltd. ....ii          | Orridge & Co. ....Col. Supp.                        |
| Buncher & Haseler, Ltd. ....xiii         | Owen, R. ....22                                     |
| Burge, Warren & Ridgley,<br>Ltd. ....x   | "Oxc" .....28                                       |
| Burrough, J., Ltd. ....Text 18           | Papier Poudre, Ltd. ....xii                         |
| Burroughs Wellcome & Co. ....31          | Paragon Press Co. ....29                            |
| Bush, W. J., & Co. ....Cover             | Parke, Davis & Co. ....17                           |
| Cadbury Bros. ....Cover                  | Parnall & Sons, Ltd. ....22                         |
| Cadino Co. ....iv                        | Perkin & Co., Ltd. ....16                           |
| Cartwright, W. B., Ltd. ....23           | Pettifer, S., & Sons .....26                        |
| Central News, Ltd. ....20                | Pharmazeutische Industrie .....xii                  |
| Chaline & Co., Ltd. ....xiii             | Phillips, Charles H. Chem.<br>Co. ....Text 18       |
| Chemists' Friendly Society<br>Col. Supp. | Plucknett, C. J., & Co. ....xiv                     |
| Christy, T., & Co. ....xiv               | Potter & Clarke, Ltd. ....xx                        |
| Clark, Cicero S. ....xii                 | Prescott & Co. ....xiii                             |
| Cook, E., & Co., Ltd. ....4              | Preston's Distillery Co., Ltd. ....19               |
| Cook, Geo. ....Col. Supp.                | Price's Patent Candle Co.,<br>Ltd. ....15           |
| Cox, Arthur H., & Co., Ltd. ....1        | Prichard & Constance (Whole-<br>sale), Ltd. ....xii |
|  | Kay Bros., Ltd. ....25                              |

# THE BUYERS' GUIDE.

In this section, under appropriate headings, are given the names of firms advertising in this or other issues of the month. No charge is made to advertisers for the insertion of their names, but only those who have contracts current for advertising in this journal are mentioned. The headings refer generally to the classes of goods actually advertised, but this is not a detailed Guide such as appears in "The Chemists' and Druggists' Diary." Inquiries addressed to the "Information Department," THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., regarding articles not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

## ACCOUNT BOOKS

Deansmore Press

## ADVERTISING

Allison, J. R. B.

Degen, F. A.

Gladwin, T. H.

## AER.-WATER MACHINERY

Barnett & Foster

Flagel & Co.

## AER.-WATER MATERIALS

Barnett & Foster

Bush, W. J., & Co., Ltd.

Flagel & Co.

Hay, William, Ltd.

Stevenson & Howell, Ltd.

## AERATED WATERS

Camwall, Ltd.

Idris & Co., Ltd.

Jewsbury & Brown

## AGENCIES, COLONIAL, &c.

London Commercial Co. for  
Russia, Ltd.

Peake, Allen & Co.

United Sales Agency

## AGRI-HORTICULT. PREPS.

Tomlinson & Hayward, Ltd.

With's Manure Co.

## AIR CUSHIONS

Barge, Warren & Ridgley, Ltd.

Surgical Hospty Co., Ltd.

## ALMOND OIL

Allen, Stafford & Sons, Ltd.

## ALKALOIDS

Boehringer, O. F., & Soehne

Boehringer, C. H. & Sohn

Burgoyne, Burghides & Co.

Hoffmann-La Roche, Ltd.

Howards & Sons, Ltd.

Macfarlan, J. F., & Co

Merck, E.

Morson, T., & Son

Roques, Ferdinand

Smith, T. & H., Ltd.

Zimmermann, C., & Co.

## ALUMINIUM BOXES

Buncher & Haseler, Ltd.

## ALUMINIUM TOP SYPHON S

Lumley, L., and Co., Ltd.

## AMER. DRUGS, HERBS, &c.

Evans Sons Lescher & Webb, Ltd.

## AMMONIA AND SALTS

Brunner, Mond & Co., Ltd.

Scrubbs & Co., Ltd.

White, A., & Sons

## ANÆSTHETICS

Duncan, Flockhart & Co.

Macfarlan, J. F., & Co.

Riedel, J. D., Co.

Smith, T. & H., Ltd.

Zimmermann, C., & Co.

## ANILIN DYES

Crawshaw, E., & Co.

## ANIMAL THERAPY PRODS.

Brady & Martin, Ltd.

## ANNATTO

Fullwood, R. J., & Bland

Tomlinson & Hayward, Ltd.

## ANTI-RHEUMATIC RINGS

Burge, Warren & Ridgley, Ltd.

## ANTISEPTICS

Lamhert Pharmaceutical Co.

Macfarlan, J. F., & Co.

Sanitas Co., Ltd.

Zimmermann, C., & Co.

## ARTIFICIAL LIMBS

Haywood, J. H., Ltd.

Maw, S., Son & Sons

## ASTHMA REMEDIES

Lofthouse & Saltmer, Ltd.

Zematone Co.

## AUTOMATIC WEIGHING

MACHINES

Southall & Smith

## BACTERIAL VACCINES, &c.

Allen & Hanburys, Ltd.

Burroughs Wellcome & Co.

Duncan, Flockhart & Co.

Evans Sons Lescher & Webb, Ltd.

Martindale, W.

Parke, Davis & Co.

## BANDAGES

Dalmas, A. de St., & Co.

Macfarlan, J. F., & Co.

Maw, S., Son & Sons

Wood Vincent

## BALSAMS

Dodge & Olcott Co.

## BATHING CAPS

Maw, Son & Sons

May, Roberts & Co., Ltd.

Sangers

## BATH CABINETS

Riley Bros., Ltd.

## BATH GLOVES

Solport Bros.

## BED AND DOUCHE PAN

Wileman & Co.

## BEESWAX

Schliemann's Oil & Cerosine Co.

Sparks, White & Co., Ltd.

## BINOCLULARS

Darton, F., & Co.

Raphael's, Ltd.

## BINS, STOCK

Parnall & Sons, Ltd.

## BISMUTH SALTS

Alliance Drug & Chem. Co.

Burgoyne, Burghides & Co.

Howards & Sons, Ltd.

May & Baker, Ltd.

Morson, T., & Son

Reitmeyer & Co.

Tyler, T., & Co., Ltd.

White, A., & Sons

|  |   |  |  |
|--|---|--|--|
| <b>BODY BELTS</b><br>Haywood, J. H., Ltd.<br>Schutte, F., & Co., Ltd.<br>Wood, Vincent   | <b>CEMENTS</b><br>Kay Bros., Ltd<br>McCaw, Stevenson & Orr, Ltd.  | <b>COLOURS, BEVERAGE, &amp;c.</b><br>Barnett & Foster<br>Boake, Roberts & Co.<br>Bush, W. J., & Co., Ltd.<br>Stevenson & Howell, Ltd.  | <b>DISINFECTANTS</b><br>Baiss Bros. & Stevenson, Ltd.<br>Burt, Boulton & Haywood, Ltd.<br>Calvert, F. C., & Co.<br>Condy & Mitchell, Ltd.<br>Cook, E., & Co., Ltd.<br>Ellison, Henry, Ltd.<br>Sanitas Co., Ltd.<br>Willows, Francis B. & T.<br>Wright, Layman & Umney, Ltd.  |
| <b>BOOKS AND MAGAZINES</b><br>Ilford "Photo Manual"<br>Lewis, H. K.<br>Martindale's "Extra Phar."<br>National School of Salesmanship<br>Squire's "Companion"   | <b>CHALK PRECIPITATED</b><br>Levermore, A., & Co., Ltd.<br>Mumford, G. S., & Sons<br>Nichols Chemical Co., Ltd<br>Sturge, John & E., Ltd.   | <b>COMBS</b><br>Hovenden, R., & Sons, Ltd.   | <b>DRUGGISTS' SUNDRIES</b><br>Ayrton, Saunders & Co., Ltd.<br>Barolay & Sons, Ltd.<br>Berliner, Arthur<br>Burke, Warren & Ridgley, Ltd.<br>Bush, H. W., & Co., Ltd.<br>Christy & Co.<br>Edwards, W., & Son<br>Evans Sons Lescher & Webb, Ltd.<br>Hovenden, R., & Sons, Ltd.<br>Maw, S., Son & Sons<br>May, Roberts & Co., Ltd.<br>Newbery, F., & Sons, Ltd.<br>Poths, H., & Co.<br>Quelch, H. C., & Co.<br>Renter, R. J.<br>Sangers'<br>Shutze, F., & Co., Ltd.<br>Solport Bros.<br>Swales, Thomas<br>Toogood, W., Ltd.<br>Wattenbach, O.<br>Woolley, J., Sons & Co., Ltd. |
| <b>BOTANIC DRUGGISTS</b><br>Brook, Parker & Co., Ltd.<br>Newball & Mason<br>Potter & Clarke, Ltd.  | <b>CHEMICALS</b><br>Anglo-Continental Chem. Wks.<br>Blythe, William & Co., Ltd.<br>Boehringer, C. F., & Soehne<br>Bramwell, E., & Son<br>British Drug Houses Ltd., The<br>Brunner, Mond & Co., Ltd.<br>Burgoyne, Burghides & Co.<br>Burroughs, Wellcome & Co.<br>Corbyn Stacey & Co., Ltd.<br>Electrolytic Alkali Co., Ltd.<br>Evans Sons Lescher & Webb, Ltd.<br>Griffin, John J., & Sons, Ltd.<br>Harrington Bros., Ltd.<br>Hoffmann-La Roche Chem.<br>Wks., Ltd.<br>Howards & Sons, Ltd.<br>Johnson & Sons (Mfg. Chats.)<br>May & Baker, Ltd.<br>Merck, E.<br>Morson, T., & Son<br>Pointet & Girard<br>Stevenson, H. E., & Co.<br>Sturge, John E., & Ltd.<br>Tyre, T., & Co., Ltd.<br>Washington Chemical Co., Ltd.<br>White, A., & Sons<br>Widenmann, Broicher & Co.<br>Zimmermann, A. & M. | <b>CONFETIONERY COLOURS</b><br>Bush, W. J., & Co., Ltd.  | <b>DRUGS, CRUDE</b><br>Baiss Bros. & Stevenson, Ltd.<br>Brook, Parker & Co., Ltd.<br>Gathergood's Exr.<br>Goodhall, Backhouse & Co.<br>Potter & Clarke, Ltd.<br>Ranson, W., & Son<br>Schmitt & Wildenhayn<br>Sparks, White & Co., Ltd.   |
| <b>BOTTLES, GLASS</b><br>Barnett & Foster<br>Beaton, Clark & Co., Ltd.<br>Boling, Brown & Co.<br>British and Foreign Bottle Co.<br>Bush, Henry W., & Co., Ltd.<br>Ferry, T., & Son<br>"Ideal" Bottle<br>Isaacs, I., & Co.<br>Maw, S., Son & Sons<br>Melin, C., & Co.<br>"Poisonous" Poison Bottle<br>Poths, H., & Co.<br>Swales, Thomas<br>Youldon, E., Ltd. | <b>CORKS</b><br>Mitchell, N. W., & Sons, Ltd.   | <b>CORN EXTERMINATOR</b><br>Gardner  | <b>DYEWARES</b><br>Clemens, Marshall & Garbett   |
| <b>BOXES</b><br>Eales, Walker & Co.<br>Ford, Shapland & Co.<br>Harrison & Waide<br>Robinson & Sons, Ltd.<br>Rogers & Co.<br>Stipendian Stopper Co.   | <b>CORN PLASTERS</b><br>Solport Bros.   | <b>COUNTER ADJUNCTS</b><br>Evans Sons Lescher & Webb, Ltd.   | <b>EAU DE COLOGNE</b><br>Farina, J. M.<br>Farina, J. M. (No. 4)<br>Fiokus, Courtnay & Co.<br>McCracken, J. & R.<br>Reuter, R. J.<br>Schutze, F., & Co., Ltd.<br>Spurway and Cie.   |
| <b>BOXES, GREASEPROOF</b><br>Rogers & Co.  | <b>COUNTER SPECIALITIES</b><br>Allen & Hanburys, Ltd.<br>British Drug Houses, Ltd., The<br>Hewlett, C. J., & Sons<br>Lloyd, T. H., & Co., Ltd.<br>Wright, Layman & Umney, Ltd.  | <b>COURT PLASTER</b><br>Solport Bros.  | <b>EDUCATIONAL INSTITS.</b><br>Bath & West of England College<br>Birmingham & Midland College<br>College of Preceptors<br>El's College<br>Glasgow School of Pharmacy<br>Liverpool School of Pharmacy<br>London College of Pharmacy<br>North of England School<br>Northern College of Pharmacy<br>School of Pharmacy<br>South of England College<br>Westminster College   |
| <b>BRUSHES</b><br>Bidwell, Bidwell & Co.<br>Hovenden, E., & Sons, Ltd.<br>Kent, G. B., & Sons, Ltd.<br>Maw, S., Son & Sons   | <b>CHLORATES, PERCHLORATES</b><br>Societe d'Electro-Chimie  | <b>CREAM OF TARTAR</b><br>British Drug Houses, Ltd., The   | <b>EFFERVESCENT PREPS.</b><br>Allen & Hanburys, Ltd.<br>Bishop, Alfred, Ltd.<br>Bristol-Myers Co.<br>Cupal, Ltd.<br>Greenwich Lemonade Co.<br>Guest, Thos., & Co.<br>Lloyd, T. Howard, & Co.<br>Wright, Layman & Umney, Ltd.<br>Wyleys, Ltd.   |
| <b>BUNION TOE-SPRING</b><br>Pond, H. J.  | <b>CHLORIDE OF LIME</b><br>Brunner, Mond & Co., Ltd.<br>Electrolytic Alkali Co., Ltd.<br>United Alkali Co., Ltd.  | <b>CREOSOTE</b><br>Baiss Bros. & Stevenson, Ltd.<br>Burt, Boulton & Haywood, Ltd.<br>Morson, T., & Son   | <b>ELASTIC HOSIERY</b><br>Ayrton, Saunders & Co., Ltd.<br>Burke, Warren & Ridgley, Ltd.<br>Haywood, J. H., Ltd.<br>Maw, S., Son & Sons<br>Surgical Hosiery Co., Ltd.<br>Wood, Vincent  |
| <b>BUTTER COLOURING</b><br>Fullwood, R. J., & Bland<br>Oldfield, Pattinson & Co.   | <b>CHLORODYNE</b><br>Davenport, J. T., Ltd.<br>Freeman's Chlorodyne, Ltd.   | <b>CREPE BANDAGES</b><br>Burge, Warren & Ridgley, Ltd.<br>Gimber, W., & Son<br>Leslies, Ltd.<br>Norwich Crepe Co. (1856), Ltd.<br>Wood, Vincent  | <b>ELECTRICAL NOVELTIES</b><br>Millard Bros., Ltd.<br>Ward & Goldstone   |
| <b>CACHETS</b><br>Warriok Brothers   | <b>CHLOROFORM</b><br>Alliance Drug & Chemical Co.<br>Howards & Sons, Ltd.<br>May & Baker, Ltd.  | <b>CYANIDES</b><br>May & Baker, Ltd.   | <b>EMERY AND CLOTH</b><br>Oakey, J., & Son, Ltd.   |
| <b>CACODYLATES</b><br>Roques, Ferdinand  | <b>CIGARS AND CIGARETTES</b><br>Christy, Thos., & Co.<br>Hovenden, R., & Sons, Ltd.<br>Sangers<br>Singleton & Cole, Ltd.  | <b>DAIRY SPECIALITIES</b><br>Fullwood, R. J., & Bland<br>Oldfield, Pattinson & Co.   | <b>EMULSIFIERS</b><br>Bennett, Sons & Shears, Ltd.   |
| <b>CAMPHOR</b><br>Alliance Drug & Chemical Co.<br>Howards & Sons, Ltd.<br>May & Baker, Ltd.  | <b>CITRIC ACID AND CITRATES</b><br>British Drug Houses, Ltd., The<br>Burgoyne, Burghides & Co.<br>Howards & Sons, Ltd.<br>Morson, T., & Son<br>Sturge, John E., & Ltd.  | <b>DECOCITIONS, &amp;c., CONCENT</b><br>Wyleys, Ltd.   | <b>EMULSIONS, C.L.O., &amp;c.</b><br>Baiss Bros. & Stevenson, Ltd.   |
| <b>CAPS FOR BOTTLES, &amp;c.</b><br>Darter, Wilkinson & Co.<br>Smith Bros. & Co.<br>Viscoce Co. (Self-fixing)  | <b>CLINICAL THERMOMETERS</b><br>Burge, Warren & Ridgley, Ltd.<br>Maw, S., Son & Sons<br>Perken, Son & Co., Ltd.<br>Powell, J. T., & Co.<br>Raphael's, Ltd.<br>Zeal, G. H.   | <b>DENTAL MECHANICS</b><br>Cullwick, H. E.<br>Fentiman, A. G.<br>Fentiman, A. J., & Co.<br>Garthwaite, H.<br>Halder, E. C.<br>Wardale & Co.  | <b>ENEMAS</b><br>Burge, Warren & Ridgley, Ltd.<br>Ingram, J. G., & Son<br>Maw, S., Son & Sons<br>Newhery, F., & Sons, Ltd.<br>Odol Chemical Works<br>Parke, Davis & Co.<br>Reidel, J. D., & Co.<br>Sangers'  |
| <b>CAPSULES (VARIOUS)</b><br>Allen & Hanburys, Ltd.<br>Baiss Bros. & Stevenson, Ltd.<br>Bette & Co., Ltd.<br>British Drug Houses, Ltd., The<br>Crown Capsule Co.<br>Davies, Sons & Co.<br>Duncos, Flockhart & Co.<br>Martindale, W.<br>Parke, Davis & Co.<br>Tye, J., & Son<br>Warriok Bros.<br>Wiglesworth & Co<br>Woolley, J. Sons & Co., Ltd.             | <b>CLOTH BALLS</b><br>Senier, Alf., & Co.<br>Zetts, O'Neil, & Co.   | <b>DENTAL TOOLS, ETC.</b><br>Plucknett, C. J., & Co.   | <b>EPSON SALTS</b><br>Corbyn, Stacey & Co., Ltd.<br>Howards & Sons, Ltd.   |
| <b>CARBOLIC ACID</b><br>Alliance Drug and Chem. Co.<br>Burt, Boulton & Haywood, Ltd.<br>Calvert, F. C., & Co.  | <b>COAL TAR SPECIALITIES</b><br>Wright, Layman & Umney, Ltd.  | <b>DENTIFRICES</b><br>Beecham, T.<br>Bell (John), Hills & Lucas, Ltd.<br>Blakie, Robert<br>Calvert, F. C., & Co.<br>Christy, T., & Co.<br>Cook, E., & Co., Ltd.<br>Euclid, Ltd.<br>Jewsbury & Brown<br>John Strange Winter<br>Mason Bros. & Chapman<br>Maw, S., Son & Sons<br>Newhery, F., & Sons, Ltd.<br>Odol Chemical Works<br>Parke, Davis & Co.<br>Reidel, J. D., & Co.<br>Sangers' | <b>FATIGUE</b><br>Ayrton, Saunders & Co., Ltd.<br>Burke, Warren & Ridgley, Ltd.<br>Haywood, J. H., Ltd.<br>Maw, S., Son & Sons<br>Surgical Hosiery Co., Ltd.<br>Wood, Vincent  |
| <b>CARTONS</b><br>Ford, Shapland & Co.<br>Harrison & Waide<br>Robinson & Sons, Ltd.  | <b>COCOA</b><br>Cadbury Bros., Ltd.   | <b>DEVELOPERS (PHOTO)</b><br>Evans Sons Lescher & Webb, Ltd.<br>Express Developing Co.<br>Griffin, John J., & Sons, Ltd.<br>Johnson & Sons (Mfg. Chats.)   | <b>FEVER</b><br>Ayrton, Saunders & Co., Ltd.<br>Burke, Warren & Ridgley, Ltd.<br>Haywood, J. H., Ltd.<br>Maw, S., Son & Sons<br>Newhery, F., & Sons, Ltd.<br>Warne, W., & Co., Ltd.  |
| <b>CASH TILLS</b><br>Millard Bros., Ltd.<br>National Cash Register Co., Ltd  | <b>COD LIVER OIL</b><br>British Drug Houses, Ltd., The<br>Charity, W., & Sons<br>Devold Peder<br>Evans Sons Lescher & Webb, Ltd.<br>Jervell & Co.<br>Sparks, White & Co., Ltd.<br>Wright, Layman & Umney, Ltd.  | <b>DEXTRINE</b><br>Fink, F., & Co.   | <b>FEVER</b><br>Ayrton, Saunders & Co., Ltd.<br>Burke, Warren & Ridgley, Ltd.<br>Haywood, J. H., Ltd.<br>Maw, S., Son & Sons<br>Newhery, F., & Sons, Ltd.<br>Warne, W., & Co., Ltd.  |
| <b>CASTOR OIL</b><br>Sparks, White & Co., Ltd.<br>Varaldi, F.  | <b>COLD CREAM</b><br>Barrett's Perfumery, Ltd.  | <b>DIABETIC FOODS</b><br>Van Ahhot, G., & Sons   | <b>FEVER</b><br>Ayrton, Saunders & Co., Ltd.<br>Burke, Warren & Ridgley, Ltd.<br>Haywood, J. H., Ltd.<br>Maw, S., Son & Sons<br>Newhery, F., & Sons, Ltd.<br>Warne, W., & Co., Ltd.  |
| <b>CATHETERS</b><br>Warne, Wm., & Co., Ltd.  | <b>COLLAPSIBLE TUBES</b><br>Betts & Co.   |  |  |
| <b>CAUSTIC SODA</b><br>Brunner, Mond & Co., Ltd.   |   |  |  |

**ESSENCES, CONCRETE**

Spurway et Cie.

**ESSENCES, SOL. AND FRUIT**

Alliance Drug &amp; Chem. Co.

Barnett &amp; Foster

Boake, Roberts &amp; Co., Ltd.

Bush, W. J., &amp; Co., Ltd.

Hay, Wm., Ltd.

London Essence Co.

Newball &amp; Mason

Stevenson &amp; Howell, Ltd.

Stevenson, H. E., &amp; Co.

**ETHERS**

Baiss Bros. &amp; Stevenson, Ltd.

Duncan, Flockhart &amp; Co.

Howards &amp; Sons, Ltd.

Maftarian, J. F., &amp; Co.

May &amp; Baker, Ltd.

Tyrer, T., &amp; Co., Ltd.

White, A., &amp; Sons

**EUCALYPTUS OIL**

British Drug Houses, Ltd., The

**EXTRACT OF HERBS**

Newball &amp; Mason

Potter &amp; Clarke, Ltd.

**EXTRACTS (MEDICINAL)**

Allen, Stafford &amp; Sons, Ltd.

Burroughs, Wellcome &amp; Co.

Evans Sons Lescher &amp; Webb, Ltd.

Gathergood Exr.

Hewlett, C. J., &amp; Son, Ltd.

Parke, Davis &amp; Co.

Ransom, W., &amp; Son

**FACTORY, &c., SITES**

Great Western Railway

North-Eastern Railway

**FEEDING BOTTLES**

Bush, Henry W., &amp; Co., Ltd.

**FERTILIZERS**

With's Manure Co.

**FILTER PAPER**

Burgoyne, Burbridge &amp; Co.

**FILTERS**

Berkeley Filter Co., Ltd.

**FLESH GLOVES, STRAPS, &c.**

Benter, R. J.

Solport Bros.

**FLYCATCHERS**

Alabastine Co. (British), Ltd.

Barraclough, J., &amp; Co.

Brook, Parker &amp; Co., Ltd.

Ford, Shapland &amp; Co.

Frowein, C.

Key Bros., Ltd.

Smith, Jno. H., &amp; Co.

Strong, Christy.

Tunbridge &amp; Wright

**FOODS, INVALID, ETC.**

Allen &amp; Hanbury's, Ltd.

Bell (John), Hills &amp; Lucas, Ltd.

Benger's Food, Ltd.

Brand &amp; Co., Ltd.

Burgoyne, Burbridge &amp; Co.

Cox, Arthur H., &amp; Co., Ltd.

Deans, Logan &amp; Co., Ltd.

Fairchild Bros. &amp; Foster

Horlick's Malted Milk Co.

"Lemon and Oxo"

Loftthouse &amp; Saltmer, Ltd.

Menley &amp; James, Ltd.

Natural Food Co., Ltd.

Neave, Josiah R., &amp; Co.

Sonthall Bros. &amp; Barclay, Ltd.

Willows, Francis, B. &amp; T.

Woolley, Jas. Sons &amp; Co., Ltd.

**FULLER'S EARTH**

Mumford, G. S., &amp; Sons

**FUMIGATORS**

Senitas Co., Ltd.

**GLYCERIN**

Price's Patent Candle Co., Ltd.

**GLYCEROPHOSPHATES**

Merck, E.

Pointet &amp; Girard

Reitmeyer &amp; Co.

**GREASE REMOVER**

Perkin &amp; Co., Ltd.

**GRINDERS, DRUG, &c.**

Allen, Stafford &amp; Sons, Ltd.

Goodall, Backhouse &amp; Co.

Willows, Francis, B. &amp; T.

Wright, Layman &amp; Umney, Ltd.

**GUMS**

Fink, F., &amp; Co.

Kidston, W. M., &amp; Co.

**HAIR DYES**

Harker, Stagg &amp; Morgan, Ltd

**HAIR PREPARATIONS**

Aironal, Ltd.

Anglo-Continental Trading Co.

Blackie, Robert

Edwards' "Harlene" Co.

Harrison, G. W.

John Strange Winter

Osborne, Garrett &amp; Co.

Robare's Anreoline

Saunders, J. Tozean, Ltd.

Warner Oliver, Ltd.

**HAND-CARTS, &c.**

Crewe &amp; Co.

**HAT CLEANERS**

Christy, Thos., &amp; Co.

Senier, Alf., &amp; Co.

**HAT DYES**

Knox Walker, J., &amp; Co.

Whitaker &amp; Co.

**HEARING APPARATUS**

Stola Telephone Co., Ltd.

**HERBS**

Brook, Parker &amp; Co., Ltd.

Potter &amp; Clarke, Ltd.

Ransom, W., &amp; Son

**HOMEOPATHIC MEDICINES**

Ashton &amp; Parsons, Ltd.

Keene &amp; Ashwell, Ltd.

**HOTELS**

Esmond Hotel

Kingsley Hotel

Thackeray Hotel

**HYDROGEN PEROXIDE**

May &amp; Baker, Ltd.

Sanitas Co., Ltd.

Tyrer, T., &amp; Co., Ltd.

**HYPOPHOSPHITES**

May &amp; Baker, Ltd.

Tyrer, T., &amp; Co., Ltd.

**ICHTHYOL**

Ioththyl Gesellschaft

**INHALERS**

Ozo Medicated Air Co., Ltd.

**INSECTICIDES**

Christy, T., &amp; Co.

Nyto Preparations, Ltd.

Tomlinson &amp; Hayward, Ltd.

**INSECT PENCILS**

Chaline &amp; Co.

**INSECT POWDER**

Keating, Thomas

**INSTEP SUPPORTS**

Pond, H. J.

Soholl Manfg. Co.

**IRISH MOSS**

Cumming, J. W.

**JARS AND POTS**

British &amp; Foreign Bottle Co.

Maw, S., Son &amp; Sons

Melin, C., &amp; Co.

Poths, H., &amp; Co.

Reuter, R. J.

Stipendum Stopper Co.

**JUJUBES**

Guest, Thos., &amp; Co.

Potter &amp; Clarke Ltd.

**JUNKET POWDER**

Armour &amp; Co., Ltd.

**LANOLINE**

Burroughs Wellcome &amp; Co.

**LARD**

Ewen, J., &amp; Sons

**LAVENDER WATER**

Bush, W. J., &amp; Co., Ltd.

Maddocks &amp; Co.

Rivers, Hill &amp; Co., Ltd.

**LEATHER BLACK**

Whitaker &amp; Co.

**LECITHIN**

Chem. Works "Victoria"

Williams, G. M., &amp; Co., Ltd.

**LEMONADE POWDER**

Greenwich Lemonade Co.

**LETTER FILES**

Eales, Walker &amp; Co.

**LIME JUICE AND CORDIAL**

Evans Sons Lescher &amp; Webb, Ltd.

Goodall, Backhouse &amp; Co.

Idris &amp; Co., Ltd.

**LINSEED, CRUSHED, &c.**

Mumford, G. S., &amp; Sons

**LINTS**

Liverpool Lint Co.

Maw, S., Son &amp; Sons

Robinson &amp; Sons, Ltd.

Taylor, W. J.

Vernon &amp; Co., Ltd.

**LIQUORS, CONC., &c.**

Fletcher, Fletcher &amp; Co.

Bewlett, C. J., &amp; Son

**LIQUORICE JUICE**

Apollo

Evans Sons Lescher &amp; Webb, Ltd.

Jackson, E. E.

Mumford, G. S., &amp; Sons

Solazzi

**LITHIA SALTS**

British Drug Houses, Ltd., The

Macfarlan, J. F., &amp; Co.

May &amp; Baker, Ltd.

**LOOFAHS**

Internl. Sponge Importers, Ltd.

Solport Bros.

Swales, Thomas

**LOZENGES**

Ayrton, Saunders &amp; Co., Ltd.

Guest, Thos., &amp; Co.

Jackson, E. E.

Potter &amp; Clarke, Ltd.

Raines &amp; Co.

Standard Tablet &amp; Pill Co., Ltd.

Warrick Bros.

**MACHINERY, PHARMACAL**

Allen &amp; Hanburys, Ltd.

Bennett, Sons &amp; Shears, Ltd.

Comet Chemical Co., Ltd.

Gardiner, Wm., &amp; Sons, Ltd.

Lister, R. A., &amp; Co., Ltd.

Stokes, F. J., Machine Co.

**MAGNESIA AND ITS PREPS.**

British Drug Houses, Ltd., The

Corbyn, Stacey &amp; Co., Ltd.

Henry, T. &amp; W.

Howards &amp; Sons, Ltd.

May &amp; Baker, Ltd.

Phillips, Chas. H., Chem. Co.

Washington Chemical Co., Ltd.

**MALT EXTRACT & PREPS.**

British Diamalt Co., Ltd.

British Drug Houses, Ltd., The

Burroughs Wellcome &amp; Co.

Davies, Sons &amp; Co.

Evans Sons Lescher &amp; Webb, Ltd.

Goodall, Backhouse &amp; Co.

Harker, C. R., Stagg &amp; Mory, Ltd.

May, Roberts &amp; Co., Ltd.

Newhall &amp; Mason

Oldfield, Pattinson &amp; Co.

Potter &amp; Clarke, Ltd.

Sangers'

Standard Tablet &amp; Pill Co., Ltd.

**MARKING INK**

John Bond ("Crystal Palace")

**MEAT EXTRACTS**

Armour &amp; Co., Ltd.

Brand &amp; Co., Ltd.

"Lemo" and "Oxo".

Tooth's Extract of Meat Co.

**MEDICINE CHESTS**

Bush, Henry W., &amp; Co., Ltd.

**MERCURIALS**

Alliance Drug &amp; Chem. Co.

Howards &amp; Sons, Ltd.

May &amp; Baker, Ltd.

Tyler, T., &amp; Co., Ltd.

**METAL GOODS**

Bettis &amp; Co., Ltd.

**METHYLATED SPIRIT**

Burrough, J., Ltd.

Macnair, A., &amp; Co.

Preston's Liverpool Distillery

Randall &amp; Son, Ltd.

**MICROSCOPES**

Raphael's, Ltd.

**MILK POWDER**

Trurood, Ltd.

West Surrey Central Dairy Co.

Ltd.

**MINERAL WATERS, SALTS**

Apollinaris Co., Ltd.

Hughes, E., Griffiths

Ingram &amp; Royle, Ltd.

Violy ("State Springs")

Vittel

**MIXERS AND SIFTERS**

Comet Chemical Co., Ltd.

Gardiner, Wm., &amp; Sons (Gloucester), Ltd.

**MUSTARD PLASTER**

Rueff, Julius

**NICOTINE**

Windschuegl, O., &amp; Co.

**NIGHT-LIGHTS**

Prescott &amp; Co.

**OILS, MINERAL, FATTY**

Allen, Stafford &amp; Sons, Ltd.

Price's Patent Candle Co.

Schleimann's Öl = Ceresine Co.

Stern Sonnen Oil Co., Ltd.

**OILS, ESSENTIAL**

Allen, Stafford &amp; Sons, Ltd.

Alliance Drug &amp; Chemical Co.

Boake, A., Roberts &amp; Co., Ltd.

Bush, W. J., &amp; Co., Ltd.

Dodge &amp; Olcott Co.

Evans Sons Lescher &amp; Webb, Ltd.

London Essence Co.

Poppeireuter, W.

Ransom, W., &amp; Son

Schimmel &amp; Co.

Sparway &amp; Cie

Stevenson &amp; Howell, Ltd.

Varaldi, F.

Wright, Layman &amp; Umney, Ltd.

Zimmermann, Chas., &amp; Co.

**ointmentS**

Blackie, Robert

**PERFUMES**

Allen & Hambury, Ltd.  
Baiss Bros. & Stevenson, Ltd.  
Barnetts Perfumery Co.  
Bronnley, H., & Co., Ltd.  
Bush, W. J., & Co., Ltd.  
Christy, T., & Co.  
Crown Perfumery Co.  
Erasmo Co., Ltd.  
Evans Sons Lesoher & Webb, Ltd.  
Gambles, J. C., & Co.  
Halifor Co.  
John Strange Winter  
Lescol Perfumery Co.  
McCracken, J. & R.  
Pritchard & Constance, Ltd.  
Quelch, H. C., & Co.  
Rivers Hill & Co., Ltd.  
Warriek Bros.  
West, T., & Son  
Wolff, F., & Sohn

**PESSARIES (SOLUBLE)**

Burge, Warren & Ridgley, Ltd.  
Rendell, W. J.

**PETROLEUM JELLY**

Chesebrough Manfg. Co.  
Gardner & Andrew  
Schleemann's Oil & Ceresine Co.  
Stern, Sonnenberg Oil Co., Ltd.

**PHOTO. CHEMICALS**

Boehringer, C. F., & Soehne  
Griffin, John J., & Sons, Ltd.  
Johnson & Sons (Mfg. Chts.), Ltd.  
Reitmeyer & Co.

**PHOTO. GOODS**

Ayrton Sanders & Co., Ltd.  
Barlow & Sons, Ltd.  
Burroughs Wellcome & Co.  
Evans Sons Lesoher & Webb, Ltd.  
Express Developing Co.  
Ilford Ltd.  
Keut, G. B., & Sons, Ltd.  
Lennon, Ltd.  
May, Roberts & Co., Ltd.  
Newbery, F., & Sons, Ltd.  
Rajar, Ltd.

**PHOTO. POSTCARDS, ETC**

Rajar, Ltd.

**PILL MAKERS**

Allen & Hambury, Ltd.  
Asche, C. F., & Co.  
British Drug Houses, Ltd., The  
Cox, A. H., & Co., Ltd.  
Davies, Sons & Co.  
Lloyd, T. Howard, & Co.  
Standard Tablet & Pill Co., Ltd.  
Wand Manfg. Co.

**PLASTERS**

Allcock Manfg. Co.  
Berliner, Arthur  
Dalmas, A. de St., & Co.  
Galeu Manfg. Co., Ltd.  
Leelies, Ltd.

**PLEATED PAPER**

Darter, Wilkinson & Co.  
Smith Bros. & Co.

**POLISHES (VARIOUS)**

Bradley & Bourdas  
Oakley, J., & Sons, Ltd.

**POSTAL BOXES**

Robinson & Sons, Ltd.

**POSTERS**

Ford, Shapland & Co.

**POWDER PAPER**

Pharm. Ind. Ges., Offenbach  
Pritchard & Constance, Ltd.

**PRESS CUTTINGS**

Central News

**PRINTERS**

Clyde Press  
Ford, Shapland & Co.  
Harrison & Waide  
Sattley & Silverlock, Ltd.  
Towson, J., & Sons

**PRINTING PRESS**

Excellior Printers' Supply Co.,  
Paragon Press Co.

**PROPRIETARY ARTICLES**

Anglo-Indian Drug & Chem. Co.  
Ashton & Parsons, Ltd.  
Barlow & Sons, Ltd.  
Beecham, T.  
Bow's Liniment, Ltd.  
British Drug Houses, Ltd., The  
Burgess, E.  
Cadinol Co.

**PROPRIETARY ARTS.—cont.**

Carnieko, G. W., Co.  
Chameleon Oil Co., Ltd.  
Christy, T., & Co.  
Coleman & Co., Ltd.  
Corbyn, Stacey & Co., Ltd.  
Crimson Cross Dispensary  
Cupal, Ltd.  
Curliug, Geo., Wyman & Co.  
Daisy, Ltd.  
Danysz Virna, Ltd.  
Davenport, J. T., Ltd.  
Demuth, R.  
Dialou Co.  
Dunoon, Flockhart & Co.  
Edwards, W., & Son  
Evans Sons Lesoher & Webb, Ltd.  
Faulding, F. H., & Co.  
Fellows Med. Manfg. Co.  
Feuings, Alfred  
Ferris & Co.  
Flood, W. H.  
Fox & Co. (Liverpool), Ltd.  
Freeman's Chlorodyne, Ltd.  
Fulford, C. E., Ltd.  
Gambles, J. C., & Co.  
Goodall, Backhouse & Co.  
Harrison, Geo. W.  
Henry, T. & W.  
Hommel's (Dr.) Haematojen  
Haghues, E. Griffiths  
Iohthyl Gesellschaft  
International Laboratories  
Kay Bros., Ltd.  
Katnow, S., & Co., Ltd.  
Lalor's Phosphodyne  
"Lemco and Oxo"  
Loftthouse & Saltmer  
Mackenzie's Cure Depot  
Martindale, W.  
May, Roberts & Co., Ltd.  
Mer-Syren (1911), Synd., Ltd.  
Morrison, J. B.  
Newbery, F., & Sons, Ltd.  
Odoil Chemical Works  
Oppenheim, Son & Co., Ltd.  
Owbridge, W. T., Ltd.  
Phillips, Chas. H., Chem. Co.  
Pontogen Co.  
Primer, J.  
Purdie, Ltd.  
Regaline Sydolite, Ltd.  
Reid, E. J., & Co.  
Resinol Chemical Co.  
Riedel, J. D., Co.  
Rubenstein, Madame H.  
Rubwel Co.  
Sangers'  
Sargol, Ltd.  
Sothimmel & Co.  
Scott & Browne, Ltd.  
Smith, Lewis  
Squire & Sons  
Standard Tablet & Pill Co., Ltd.  
Tefras Speciality Co., Ltd.  
Thermogene Co., Ltd.  
Thompson & Capper  
Tunbridge & Wright  
Ucalites  
United Drug Co.  
Urillao Syndicate  
Valda Pastilles  
Wait-and-See Proprietary  
Warner, H. H., & Co., Ltd.  
Warner Oliver, Ltd.  
Warrick Brothers  
Waterbury Chemical Co.  
White, A. J., Ltd.  
Wilcox, Jozean, & Co.  
Williams, G. M., & Co., Ltd.  
Woodward, W., Ltd.  
Wright, Layman & Umney, Ltd.  
Zimmerman, C., & Co.

**PUFFS**

Solport Bros.

**PUMPS**

Berkfeld Filter Co., Ltd.

**QUININE AND SALTS**

Alliance Drng & Chem. Co.  
Boehringer, C. F., & Soehne  
Brunswick Quinine Factory  
Corbyn, Stacey & Co., Ltd.  
Howards & Sons, Ltd.  
Pointet & Girard

**RADIO-ACTIVE MINERALS**

Harrington Bros., Ltd.

**RAZORS**

Hovenden, R., & Sons, Ltd.

**RENNET**

Fulwood & Bland  
Oldfield, Patterson & Co.

**RESPIRATORS**

Zimmer & Co.

**RESINS AND RESINOIDS**

Allen, S., & Sons, Ltd.  
Maofarism, J. F., & Co.  
Morson T., & Son  
Ransom, W., & Son  
Smith, T. & H., Ltd.

**RUBBER GOODS**

Berliner, Arthur  
Burge, Warren & Ridgley, Ltd.  
Haywood, J. H., Ltd.  
Ingram, J. G., & Son  
Maw, S., Son & Soes  
Surgical Hosiery Co., Ltd.  
Tompkins, James, Ltd.  
Warne, W., & Co., Ltd.  
X. L. Rubber Co.

**RUBBER SPONGES**

Markt & Co. (London), Ltd.  
RUBBER STAMPS

Richard, C. D.

**SACCHARIN**

Saccharin Corporation, Ltd.

**SAMPLE CASES**

Keane, Thomas

**SANTONIN**

Smith, B. A., & Co.

**SAPONIN**

Field, C. W.

**SCALE PREPARATIONS**

Morson, T., & Son

**SCIENTIFIC APPARATUS**

Reynolds & Brauson, Ltd.

Perkin, Son & Co., Ltd.

**SEALS ADVERTISING**

Dennis & Ladlam

**SEA SALT**

Tidman & Son, Ltd.

**SEEDS**

Potter & Clarke, Ltd.

**SERUMS AND ANTITOXINS**

Allen & Hambury, Ltd.

Burroughs Wellcome & Co.

Evans Sons Lesoher & Webb, Ltd.

Parke, Davis & Co.

Sothmel & Co.

Wilcox, Jozean, & Co.

**SHAMPOO POWDER**

Pritchard & Constance, Ltd.

Nyto Preparations, Ltd.

Soft Manufacturing Co.

**SHARES**

Moadaan & Tuckniss

**SHEEP DIPS**

Burt, Bolton & Haywood

Tomlinson & Hayward, Ltd.

**SHEEP MEDICINES**

Pettifer, Stephen, & Sons

**SELLAC**

Kershaw, H. E., Ltd.

**SHOP FITTING**

Ayrton-Graham, Ltd.

Bowling & Son

Cook, George

Evans Sons Lesoher & Webb, Ltd.

Grant, D.

Josephs, Philip, & Sons, Ltd.

London & Col. Manfg. Co.

Maw, S., Son & Sons

Parnall & Sons, Ltd.

Ruddock & Co.

Sangers'

**SOAP, TOILET, &c.**

Allen & Hambury's, Ltd.

Bailey, W. H., & Son

Berliner, Arthur

Burroughs Wellcome & Co.

Bush, W. H., & Co., Ltd.

Dalmas, A. de St., & Co.

Davis, John Morgan, & Sons

Galen Manfg. Co., Ltd.

Gimber, W., & Son

Haynes, G., & Co.

Haywood, J. H., Ltd.

Liverpool Lint Co.

Macfarlan, J. F., & Co.

Martindale, W.

Mason Bros. & Chapman

Maw S., Son & Sons

Quelch, H. C., & Co.

Reynolds & Brauson, Ltd.

Seabury & Johnson

Surgical Hosiery Co., Ltd.

Taylor, W. G.

Warne, W., & Co., Ltd.

Wood, Vincent

Woolley, J., Sons & Co., Ltd.

**SWIMMING FLOATS**

May, Roberts & Co., Ltd.

Sohutze, F., & Co., Ltd.

**SYPHONS**

Barnett & Foster

Camwal, Ltd.

Idris & Co., Ltd.

Sharman's Pat. Syphon Co., Ltd.

**SYRUPS, MEDICINAL**

Fellows' Med. Manfg. Co.

**TABLE WATER**

Bnrow, W. & J.

**TABLET MACHINERY**

Allen & Hanbury's, Ltd.

Bennett, Sons & Shears, Ltd.

Thompson & Capper

**TABLETS, COMPRESSED**

Allen & Hanburys, Ltd.  
Bishop, Alfred, Ltd.  
British Drug Houses, Ltd., The  
Cartwright, W. B., Ltd.  
Cox, A. H., & Co., Ltd.  
Davies, Sons & Co.  
Duncan Flockhart & Co.  
Evans Sons Lescher & Webb, Ltd  
Johnson & Sons (Mfg. Chfs.)  
Lloyd, T. Howard, & Co.  
Martindale, W.  
Parke, Davis & Co.  
Standard Table & Pill Co., Ltd.  
Thompson & Capper  
Wand Manfg. Co.  
Wiggleworth & Co.

**"TABLOID" PRODUCTS**

Burroughs Wellcome & Co.

**TARTARIC ACID**

British Drug Houses, Ltd., The  
Boehringer, C. H., & Sohn

**TEA (TANNIN-LESS)**

Gurner's Typhoo-Tea, Ltd.

**TELESCOPES**

Darton, F., & Co.

**TIN BOX MAKERS**

Goodall, Backhouse & Co.  
Huntley, Boorne & Stevens  
Shirley Bros., Ltd.

**TINCTURES, CONCENT.**

Stevenson, H. E., & Co.

**TOBACCO**

Singleton & Cole, Ltd.

**TOILET ARTICLES**

Allen & Hanburys, Ltd.  
Armour & Co., Ltd.  
Ayrton, Saunders & Co., Ltd.  
Beetham, M., & Son  
Blackie, Robert  
Bronley, H., & Co., Ltd.  
Burroughs Wellcome & Co.  
Chesebrough Mfg. Co.  
Christy, T., & Co.  
Cook, E., & Co., Ltd.  
Cox, Arthur H., & Co., Ltd.

**TOILET ARTICLES—cont.**

Aironal Ltd.  
Crown Perfumery Co.  
Daisy Ltd.  
Dubois' Co.  
Edwards' Harlene Co.  
Erasmic Co., Ltd.  
Eucryl, Ltd.  
Fulford, C. E., Ltd.  
Gambles, J. C., & Co.  
Gannett Trading Co.  
Gibbs, D. & W., Ltd.  
Halifor Co.  
Harker, Stagg & Morgan, Ltd.  
Hovenden, R., & Sons, Ltd.  
John Strange Winter  
Lees, S. S., & Co.  
Lloyd, A., & Co.  
Lloyd, A. S. (Hovenden)  
Maw, S., Son & Sons  
May, Robert & Co., Ltd.  
Newbery, F., & Sons, Ltd.  
Oadol Chemical Works  
Osborne, Garrett & Co.  
Papier Poudré, Ltd  
Parke, Davis & Co.  
Prichard & Constance, Ltd.  
Quelch, H. C., & Co.  
Sangers'  
Saunders, J. Tozeau, Ltd.  
Solport Bros.  
Standard Tablet & Pill Co., Ltd.  
To-Kalon Mfg. Co., Ltd.  
Warner Oliver, Ltd.  
Wholesale Chemical Works  
Woolley, J., Sons & Co., Ltd.

**TOILET PAPER**

Ayrton, Saunders & Co., Ltd.  
Burgoyne, Brnbridges & Co.  
Ford, Shapland & Co.  
Townsend, J., & Sons

**TOOTH STOPPING**

Stevens, P. A.

**TRADE-MARKS AGENTS**

Barker, R. W.  
Ford, Shapland & Co.

**TURNED WOOD BOXES**

Rogers & Co.

**TRUSSES**

Bailey, W. H., & Son  
Coles, William, & Co  
Davis, John Morgan, & Sons  
Ellis, Son & Paramore  
Haywood, J. H., Ltd  
Maw, S., Son & Sons  
Schutte, F., & Co., Ltd.  
Wood, Vincent  
Woolley, J., Sons & Co., Ltd.

**TYPEWRITERS**

Yost Typewriter Co., Ltd.

**VACUUM PANS**

Bennett, Sons & Shears, Ltd.  
Stokes, F. J., Machine Co.

**VALVES**

Baker, P. C.  
Berdoe & Fish  
Brett & Co.  
Orridge & Co.  
Tomlinson, T., & Son

**VAPORIZERS**

Evans Sons Lescher & Webb, Ltd  
Sanitas Co., Ltd

**VASELINE**

Chesebrough Mfg. Co.

**VERMIN-KILLERS**

Danseyz Virus, Ltd  
Evans Sons Lescher & Webb, Ltd  
Extermino Chemical Co.  
Farmer, F., & Co.  
Harley, Thomas  
Harrison, G. W.

**VETERINARY INSTRUMENTS**

Mason Bros. & Chapman  
Maw, S., Son & Sons

**VETERINARY REMEDIES**

Chesebrough Mfg. Co.  
Day & Sons (Crewe), Ltd.  
Edwards, W., & Son  
Harvey & Co. (Dublin), Ltd.  
Lloyd, T. Howard, & Co.  
Pettifer, Stephen, & Sons  
Senier, Al., & Co.  
Tomlinson & Hayward, Ltd.  
Wyleys, Ltd.  
Zimmermann, C., & Co.

**VINEGAR**

Grimble & Co.

**WATER STILLS**

Stokes, F. J., Machine Co.

**WATERS, CONCENTRATED**

Robinson, B., & Co., Ltd.

**WAXES**

Kidston, W. M., & Co.  
Schliemann's Oil & Ceresine Oil

**WEED-KILLERS**

Burt, Boulton & Haywood, Ltd  
Harrison, G. W.  
Tomlinson & Hayward, Ltd.

**WEIGHING MACHINES**

Maw, S., Son & Sons

**WINDOW BRACKETS**

Ayrton-Graham, Ltd.  
Owen, R.

**WINDOW TICKETS**

Merten, F., & Co.

**WINES**

Burrough, J., Ltd

**WINES, MEDICATED**

Ayrton, Saunders & Co., Ltd  
Burrough, J., Ltd.  
Burroughs Wellcome & Co.  
Coleman & Co., Ltd.  
Deans, Logan & Co., Ltd.  
Fletcher, Fletcher & Co.  
Hobson, Joseph, & Son  
Idris & Co., Ltd.  
Robinson, B., & Co., Ltd  
Taylor, Humphrey, & Co., Ltd

**WRIST STRAPS**

Solport Bros.

**ZINC OXIDE**

Hubbuck, T., & Son, Ltd  
Stevenson, H. E., & Co.

**OLDFIELD, PATTINSON & CO.**

TELEGRAMS :  
**"OPIUM MANCHESTER."**  
 A RELIABLE HOUSE FOR  
 All Pharmaceutical Preparations.  
 CONCENTRATED WATERS.  
 CONCENTRATED INFUSIONS.

B.P. Tincture. **OPIUM** Aqueous  
Tincture.

**Syr. Glycerophosph. Co.**

LIQUID EXTRACTS.  
 LEVIGATED OINTMENTS.  
 ESSENTIAL OILS.

**"Silver Churn" Dairy Specialities.**

Special Prices to Large Buyers.

Write for List.

**MANCHESTER.**



Note this Trade Mark.

# "AIRONAL"

---

**(the Hair Grower)**



Note this Registered Bottle.

## MAKE BIG PROFITS ON THE "AIRONAL" SYSTEM OF CO-OPERATION.

See what "AIRONAL" Ltd. are doing for you. 60 of the best known Magazines and London Dailies and 300 of the most important Provincial Newspapers and Periodicals are now advertising "AIRONAL."

By stocking "AIRONAL" now you can become a co-partner in "AIRONAL" Ltd., because for every pound you spend with the Company up to and including the 1st September, 1912, a fully paid 2/6 share will be given you. Also the Company will give you a contract note guaranteeing that they will not raise the price to you, irrespective of the huge appropriation fund set aside for advertising purposes.

Undoubtedly in the early stages of our advertising campaign we shall secure a good deal of mail-order business from the public, and as we wish for your co-operation, we will distribute this mail-order business equally amongst our nearest dealers. This will mean a good deal to you in these days of fierce competition.

"AIRONAL" is as its name implies—**HAIR ON ALL**. It will make a success on its own merits, which are undoubtedly. It is the formula of a medical specialist, who has devoted many years to the study and treatment of alopecia, seborrhœa, and allied conditions of the scalp.

Every bottle is sold under a guarantee, and you may use your own discretion, and cheerfully refund their money to any of your customers who may be dissatisfied.

"AIRONAL" is a registered trade mark, and it is put up in a registered design bottle, the property of "AIRONAL" Ltd. The advertised retail price is **1/6, 2/6 and 4/6** for 2-oz., 4-oz. and 8-oz. sizes respectively. The wholesale prices are **14/-, 22 6 and 36/-** per doz. bottles, carriage paid. We are under the protection of the P.A.T.A., and the protected minimum retail prices are **1/5, 2/3 and 4/-**.

We have already placed with our advertising contractors the contracts reproduced on the next page.

***Send in your Order NOW to***

## "AIRONAL" Ltd.

**53 VICTORIA ST., WESTMINSTER, S.W.**



# "AIRONAL"

THE  
Hair Restorer  
PUBLICITY SCHEMES.

## The Great National Newspapers AND Magazines.



THE REPUTATION OF THE HOUSE IS THE BACKGROUND OF SUCCESS

Publicity Notices Given on Very Moderate Terms

**Brown, Gould & Co.** Ltd.

ESTD OVER 50 YEARS

Telephone 6139 CENTRAL

Gould & Gould, London

132. SALISBURY SQ. FLEET ST. LONDON. E.C.

MESSRS. "AIRONAL" Ltd.,  
Dear Sirs,

We have received your esteemed contract for the insertion or your advertisement for six months in our list of provincial newspapers, giving about 300 insertions a week and covering the greater part of the United Kingdom.

Assuring you that this order shall receive our best personal attention.

We remain,  
Yours truly,  
Brown, Gould & Co. Ltd.

27th June, 1912.



STREET'S  
BRITISH, FOREIGN & COLONIAL ADVERTISING  
& GENERAL NEWSPAPER OFFICES  
8, Sler Street,  
Lincoln's Inn, London, W.C.  
27th June, 1912.

Dear Sirs,  
We beg to confirm the arrangements made for advertising Aironal, and are inserting your advertisement in the following publications:-

|                     |                            |                            |
|---------------------|----------------------------|----------------------------|
| Daily Mail          | Lloyd's News               | The Queen                  |
| Daily Mirror        | London Budget              | The Tatler                 |
| Daily Sketch        | Umpire                     | The Graphic                |
| Daily Express       | Sunday Companion           | Illustrated London News    |
| Daily Chronicle     | Christian Herald           | The Sketch                 |
| Daily News & Leader | Sheffield Weekly Telegraph | Home Notes                 |
| Daily Telegraph     | The Lady                   | Our Home                   |
| Daily Graphic       | The Gentlewoman            | Home Chat                  |
| News of the World   | The Ladies' Field          | Family Herald & Supplement |
| Strand Magazine     | Cassell's Magazine         | Fashions for All           |
| Pearson's "         | Quiver                     | Lady's World               |
| Royal Novel         | London                     | Woman at Home              |
| Windsor "           | Weldon's Ladies' Journal   | Lady's Realm               |
|                     | " Journal of Costumes      |                            |
|                     | " Illustrated Dreemakar    |                            |
|                     | Bazaar.                    |                            |

We are, dear Sirs,  
Yours faithfully,  
for G. STREET & CO. LTD.

*E. Hunt*  
Director.

300  
PROVINCIAL  
NEWSPAPERS.



Many Pharmacists will know through inquiry

*Re*



Priory Court Works,  
Cheltenham,  
and  
Ucal Works,  
Sheffield.

November last it was expressed through circular letter  
**400** ADDITIONAL PHARMACISTS SHOULD JOIN.  
**284** HAVE SINCE BECOME MEMBERS.  
**116** STILL TO COME. Will the Gentlemen who intend  
 to benefit through reducing these figures join at once as it  
 will assist the management in placing contracts for Emulsion  
 Bottles, Malt Jars, Lozenge Tins, etc., for Winter trade.  
 £5 share investment subject to 5% interest plus 10/- Premium  
 only admits to membership upon allotment.

CHUIT, NAEF & CO.,  
GENEVA (Switzerland).

**M. NAEF & CO. Succrs.**  
MANUFACTURERS OF  
**SYNTHETIC & AROMATIC CHEMICALS**

INVITE SPECIAL ATTENTION TO  
THE FOLLOWING PRODUCTS:

**Cyclosia** new base for floral odours.  
**Cyclamen N.** yields the true odour  
of the Cyclamen blossoms.

**Oil of Bergamot C.N.C. synth.**  
Excellent and best substitute for the  
natural oil.

**Rose Orient** delicious and wonderful  
substitute for the Bulgarian Otto of  
Roses.

**Oils of Violet (art.)** All grades for  
perfumes and soaps.

**Iralia 100%** for new and lasting per-  
fumes.

**Pelargonia.** Artificial Oil of Geranium  
with leaf effect.

*Agents:*

E. N. FRANKENSTEIN, Ropemaker Street, Finsbury, LONDON, E.C.  
 A. BEROU - II Rue du Perche, PARIS, 3e Arrt.  
 UNGERER & CO. (Inc.) - 273 Pearl Street, NEW YORK.

Samples and Price Lists sent on application.

## The Difference in Corks.

The average cork gives trouble occasionally—but not Mitchell's Corks. The average cork sometimes breaks off, cracks, or won't fit—Mitchell's Corks never break—never crack—always fit. Better Chemist's Corks for the same money—that summarises Mitchell's. Satisfactory alike to yourself and your customers.

Send for Free Samples and Price Lists to—  
**N. W. MITCHELL, LTD.,** Bouchon Works,  
LIMEHOUSE, E.

**BARNETTS**  
**PERFUMES & COLD CREAM**  
**STAND UNRIVALLED.**

Samples and Prices (in bulk) on Application.

**BARNETTS PERFUMERY LTD.,**  
126/128 Bristol Street, BIRMINGHAM.

# Neave's Food

With reference to their notice of last week, relative to the advance in the gross price of their "Neave's Food" 1/- per dozen (1-lb. tins), **Messrs. JOSIAH R. NEAVE & CO.** beg to state that they have received intimation that many of the principal Chemists and Stores have advanced their prices to 9d. and 1/10½d. for 1/- and 2/6d. tins, and they trust that all the retail houses will take advantage of the present opportunity to secure a reasonable profit and sell at **not less than** 9d. and 1/10½d. per tin.

FORDINGBRIDGE,

3rd July, 1912.

# VALAZE

**REMEMBER THE NAME.**—Many ladies will ask you this summer for this beauty cream, made famous by London's fashionable West End Complexion Specialiste, Mme. Helena Rubinstein. It will not show flattering business acumen not to be able to supply it.

RETAIL PRICE: 4/6, 8/6, and 21/- A POT.

**Madame Helena Rubinstein,**  
24 Grafton Street, London, W.

255 Rue Saint Honore, PARIS.  
274 Collins Street, MELBOURNE.

158 Pitt Street, SYDNEY.  
9 Brandon Street, WELLINGTON, N.Z.

**BEETHAM'S  
"LAROLA"**  
(Registered)

**Is the Skin Tonic for 1912.**

***It is effective.***  
***It is attractive.***  
***It is price-protected.***  
***It is well-advertised.***  
***It sells readily.***  
***It bears a good profit.***

## HAVE YOU OUR SHOWCARD ?

THIS IS WHAT THE "C. & D." SAYS OF IT:

BEETHAM'S NEW SHOWCARD.—One of the prettiest lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word "Larola" being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks, and she and the setting make so bright a picture that no pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the originators of Glycerine-and-Cucumber and Larola.

This handsome Showcard, in 14 colours (size 24 by 17) can be had by any chemist who will give it a good place in his pharmacy.

M. BEETHAM & SON, Cheltenham.

**OVER 100% PROFIT  
ENSURED & PROTECTED (P.A.T.A.)**  
for sellers of  
**Laurence's Hair Dyes**  
**One solution, nine shades.**

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

| Size | Minimum retail. | Minimum wholesale. |  |
|------|-----------------|--------------------|--|
| 1/-  | 1/-             | 7/6                |  |
| 1/6  | 1/6             | 9/-                |  |
| 2/6  | 2/3             | 15/-               |  |
| 3/6  | 3/3             | 21/-               |  |

per doz.  
less 5%  
discount.

### SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz., 1/6 size, to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

**C. R. HARKER, STAGG & MORGAN,  
DEVON WHARF,  
Emmott Street, Mile End, London, E.**

**GUARANTEED  
CHEMICALLY  
PURE.**



**93  
HONOURS  
AND  
AWARDS.**

Since its introduction in 1855

# PRICE'S GLYCERIN

has maintained an unrivalled position, and can be confidently recommended on account of its reputation for unsurpassed purity and for the uniformity of its quality.

*Price List post free on application.*

## A MONOGRAPH on PURE GLYCERIN

By M.D., M.R.C.S.

Containing useful Bibliography of Glycerin, 1854-1909.

FREE TO PHARMACISTS.

## PRICE'S PATENT CANDLE COMPANY LIMITED.

LONDON,

LIVERPOOL,

CAPE TOWN,

JOHANNESBURG,

SHANGHAI.

PRICE'S SOLIDIFIED GLYCERIN SOAP (transparent) contains half its weight of Price's Glycerin.

PRICE'S GLYCERIN CREAM SOAP, recommended for Dry and Tender Skins.  
Its emollient properties are enhanced by the addition of Price's Glycerin.

# A NEW LINE. WILL SELL AT SIGHT

THE C.P. MARKING INK  
CABINET.

JOHN BOND'S  
"CRYSTAL PALACE"  
NON-HEAT MARKING INK.  
DIRECTIONS FOR USE:  
WORKS: 75. SOUTHGATE ROAD,  
LONDON, N.

As  
Illustrated

7½d.

## TRY IT IN YOUR BATH SCRUBB'S AMMONIA

BY APPOINTMENT TO H.M. THE KING.

### MARVELLOUS PREPARATION

Refreshing as a Turkish Bath.

Splendid Cleansing Preparation for the Hair. Removes Stains and Grease Spots from Clothing. Allays the Irritation caused by Mosquito Bites. Invigorating in Hot Climates. Restores the Colour to Carpets.

Invaluable for Toilet Purposes.

Cleans Plate and Jewellery. Softens Hard Water.

Of all Chemists, Etc. Price 1s. per Bottle.

SCRUBB & CO., LTD., GUILDFORD STREET, LONDON, S.E.

## GRE-SOLVENT (GREASE SOLVENT).



The Premier Hand Soap  
and Housewife's Helper.

HANDSOME TINS  
LARGE SIZES  
LOW PRICES  
GOOD PROFITS

Perkin & Co., Ltd., Gresol Works, Leeds.

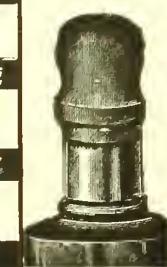
THE PHARMACIST'S FRIEND.

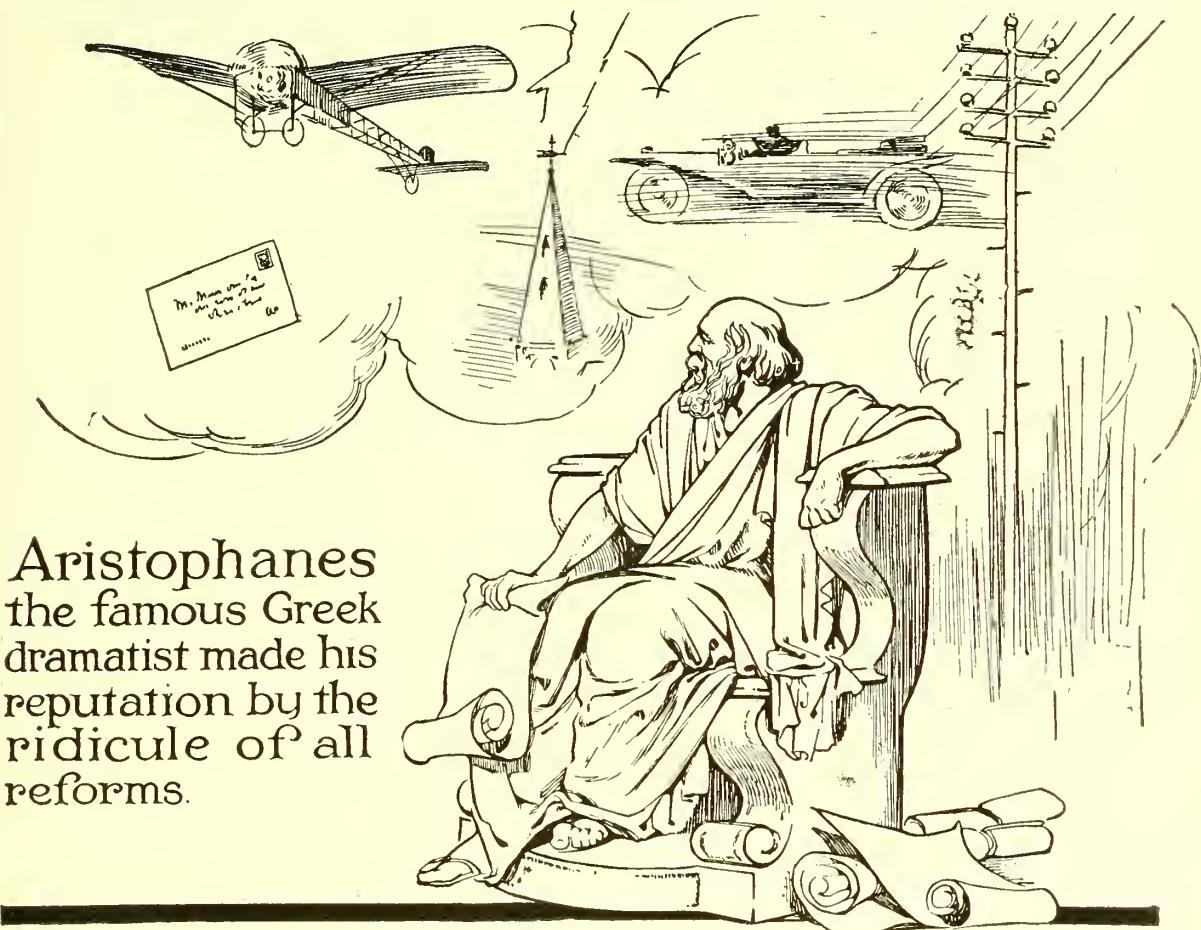
## 'SEMREH' SELF FIXERS.

As the name implies, these handsome bottle caps fix themselves; all you do is to slip them wet over the cork or stopper.

Send for the Illustrated  
Descriptive Booklet—

The VISCOSÉ DEVELOPMENT Co., Ltd.,  
PEMBROKE ROAD,  
BROMLEY, KENT.





Aristophanes the famous Greek dramatist made his reputation by the ridicule of all reforms.

Few present-day business men ridicule reforms, but there still exist pharmacists who cannot yet persuade themselves that the day of the "own-name" preparation is past. It has been outdistanced by advertised specialities, and these are now the chief profit bringers in 99% of retail pharmacies.

Every P., D. & Co. preparation protected under  
the regulations of the P.A.T.A. yields a  
handsome return for interest at the counter.

All retail pharmacists are specially asked to refer to the attractive P.A.T.A. section of our price list.

Correspondence cordially invited.

Parke, Davis & Co.,  
London, W.

# SCHOOL OF PHARMACY

OF THE  
PHARMACEUTICAL SOCIETY.

The School provides systematic courses of instruction for the Minor and Major Examinations of the Pharmaceutical Society. Both Courses commenced on October 4th, 1911, the Minor Course continuing until the end of June, 1912.

Arrangements have been made to admit to Special Shorter Courses Students who can satisfy the Dean that they have already received adequate scientific training.

*Applications for admission to the School, or for any information respecting it, should be addressed to—*  
**THE DEAN OF THE SCHOOL (Prof. Crossley, F.R.S.), 17 Bloomsbury Square, W.C.**

## THE LONDON COLLEGE OF PHARMACY

With which is incorporated the South London School of Pharmacy (founded by Dr. Muter in 1868).

Principals: { HENRY WOOTTON, B.Sc. (Lond.)  
ARTHUR KIRKLAND, Ph.C.

REVISION COURSE for advanced students begins August 14  
Fee to October Examination 5 guineas.

MINOR NEXT.—Complete Course of Lectures, Classes, and Practical Work begins September 11th. Fee to January Examination 10 guineas.

EVENING CLASSES (MINOR and MAJOR). Fee from 1 guinea per term.

JANUARY and APRIL, 1912, **Pharmaceutical Passes 44**: this number includes only those who have passed after a personal course at the College and not correspondence students

*A larger number of Students have passed the Pharmaceutical Examinations from the London College since its establishment than from any other School.*

For Prospectus, &c., apply to The Secretary, LONDON COLLEGE OF CHEMISTRY AND PHARMACY, 361 Clapham Road, London, S.W.

## Northern College of Pharmacy

100 & 102 BURLINGTON STREET, MANCHESTER.

(Founded by GEO. CLAYTON, F.C.S., in 1890.)

PRINCIPAL - E. G. BRYANT, F.C.S., Pharmaceutical Chemist.

The six weeks' revision for the October [Examination will commence August 19th.

The four months' Course for the Christmas Examination will commence September 2nd.

The Part-Time Courses will resume on Tuesday and Wednesday, September 3rd and 4th.

*Prospectus posted to any address.*

BOOKS SPECIALLY WRITTEN FOR THE MINOR. These are recognised as the books for the Examination, covering as they do the subjects.

| S. d.                                 | S. d.                              |
|---------------------------------------|------------------------------------|
| Clayton's Qualitative Analysis... 2 6 | Lawson's <i>Materia Medica</i> 2 6 |
| " Prescription Reading... 2 6         | " Volumetric Analysis... 2 6       |
| " Organic Chemistry Notes 2 0         | " Examination Dispensing 1 6       |

Post Free.

*The set of Six Books will be forwarded post free for 12s. 6d. to any address.*

## NORTH OF ENGLAND SCHOOL OF CHEMISTRY AND PHARMACY,

55 Northumberland St., Newcastle-on-Tyne.

Principal : J. STABLEFORD HILL, Ph.C.

Thorough Preparation for **MINOR, MAJOR, and APOTHECARIES' HALL EXAMINATIONS**.

## FEES MODERATE & INCLUSIVE

Application for Terms should be made to the PRINCIPAL.

## THE SCHOOL FOR SUCCESS !!

*South of England College of Pharmacy*  
(Concilio et labore.)

186 CLAPHAM ROAD, LONDON, S.W.

Principal—H. LUCAS, Ph.C., F.C.S.

Assisted by—A. R. HEWISH, Ph.C.; H. E. ARCHER, M.P.S.

### EXAMINATION RESULTS!

During the past **two years** 112 students have passed their Examinations (Minor or Major) after a course of instruction at this College. **50% passed at their first attempt!**

### SUCH RESULTS SPEAK FOR THEMSELVES!

Tutorial Course commences August 13th, preparing for October Examination.

**Fee for the whole course, £5 15s. 6d.**

For all particulars of College, Prospectus, etc., apply the Principal.

# “CAPSOGEN,” FOR RHEUMATISM, Supersedes Wadding.

(REGISTERED)

*The Improved Absorbent Wool with the Special Gauze Covering.*

1 gross costs £4 4s., CARRIAGE PAID. Sells for £7 4s.  
Protected Profit £3.

*Working Samples sent to Doctors on receipt of names and addresses, with local chemists names as agents.  
Circulars Show Cards, Dummies, and Advertising Matter for Window Display, etc., FREE.*

Wholesale Agents—JOHN TIMPSON & CO., Ltd., 104, Golden Lane, LONDON, E.C.  
SOUTHALL BROS. & BARCLAY, Ltd., Lower Priory, BIRMINGHAM.

# F. DARTON & CO.

*Manufacturing  
Opticians,*

142 ST. JOHN STREET & 52 CLERKENWELL ROAD, LONDON, E.C.



Cyclist Goggle and Case.  
4/-, 6/-, 7/-, 10/- & 18/- per Doz.

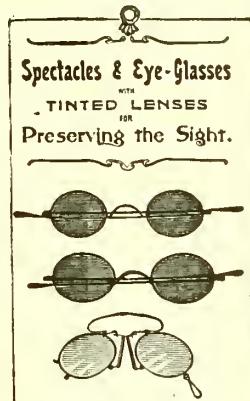
## Selling Lines for the Season

We have a large Stock of all lines suitable for the Trade in Tinted Protectors, so much in demand at this time of the year.

Attractive Showcards sent free with orders of not less than 3 doz. tinted Spectacles or Folders.

OCULIST'S PRESCRIPTIONS  
correctly executed by return post.

OPTICAL REPAIRS of all kinds executed.



From 2/6 per Doz.

Send for Our NEW PRINTED NETT SPECTACLE  
AND GENERAL OPTICAL LIST;

Also Special List of Prismatic and other Binoculars, and Telescopes with gross prices, profitable discount.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.  
FOR QUOTATIONS apply to—

**PRESTON'S LIVERPOOL DISTILLERY CO., LTD.**

The Largest Makers in the Kingdom.  
BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office : 4 India B'ngs, Water St., Liverpool.

**ROLL FILMS  
DEVELOPED**

**AND DESPATCHED DAY AFTER RECEIPT.**

**Express Developing Co.,  
86, High St., Whitechapel, E.C.**

Contact Prints.

Coloured Miniatures.

Post Cards.

Carbons

Speciality:  
Chemists'  
Enlargements  
and ALL  
Practical  
Photographic Work.

Contact Prints.  
Coloured Miniatures.  
Post Cards.  
Carbons

*Send for Price List of our Profitable Chemists' Side Lines.*

*Suttley & Silverlock Ltd  
the specialists in Medical Printing  
have the World's Reputation  
for Quality*



## PARAGON PRINTING PRESS.

### HAND POWER.

### A BOON TO CHEMISTS.

No.  
22.

800 to 1,000 labels  
printed per hour on our  
No. 22 Paragon Press.

Size of Chase 5 x 4½ inches.

PRICE COMPLETE  
**£2 17 6**

Including  
Type, Rollers,  
Ink, Cases,  
&c.

Instructive Book-  
let post free.

LARGER and SMALLER  
SIZES IN STOCK.



PARAGON PRESS CO., 296 Bishopsgate, London, E.C.

## Press Cuttings

Everything and anything that is  
printed in any newspaper anywhere  
can be supplied by

### The Central News,

Press Cutting Department,  
5 New Bridge St., London, E.C.

The Central News Agency has been established  
over forty years.

Wholesale      ALL BRITISH      Only.

## ⊕ CRÊPE BANDAGES. ⊕

In various widths and qualities. Send for Samples, with Prices,  
and compare with any foreign production, to  
The Norwich Crepe Co. (1856), Ltd., St. Augustines, Norwich,  
who are acknowledged to be the only manufacturers in Great  
Britain.

PHARMACEUTICAL FORMULAS. (8th Ed.) 10/-, by Post 10/6.  
ART OF DISPENSING. (9th Ed.) 580 pages. 6/-, by Post 6/4.  
VETERINARY COUNTER PRACTICE. (6th Ed.) 4/-, by  
Post 4/4.

THE CHEMIST-OPTICIAN. 4/-, by Post 4/3.  
DISEASES AND REMEDIES. (4th Ed.) 3/-, by Post 3/3.  
THE CHEMISTS' MEDICAL DICTIONARY. 2/6, by Post, 2/8.  
THE CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by  
Post 2/8.

"THE CHEMIST AND DRUGGIST," 42 CANNON ST., E.C.

# Deafness



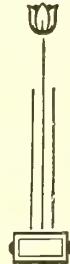
1. Church and Theatre Instrument.    2. Portable Pocket instrument with Stand.    3. Sundry Accessories.

## The Stolz Electrophone

THE Stolz Electrophone is a scientific instrument for the alleviation of deafness and the abolition of head noises. It is small, unobtrusive, light, portable and more efficacious than anything of the kind ever invented. In principle it is a magnifier of sound waves, and numerous instances are on record of people who have been deaf for 20, 30 and even 40 years being able to hear clearly and well through the medium of this remarkable instrument. The Stolz Electrophone is sold entirely on its merits. There is no reason why anyone suffering from any form of deafness should not take this favourable opportunity of securing prompt and quick relief.



The advantages of the Stolz Electrophone over the old-fashioned ear trumpet are incalculable. No need for shouting, no need for the speaker to approach closely. Every sound can be heard distinctly, each in natural volume and tone. In social intercourse, at opera, play, or concert, at business, everywhere, this wonderful appliance places the wearer on a practical equality with the rest of the world. The Stolz Electrophone will last a lifetime; there is nothing to break. The source of the wonderful power by which all sound waves are amplified and concentrated is electrical—the sounds are actually electrically conducted to the ear. There is no other device in the whole world possessing the power, efficiency and advantage of adjustment possessed by the Stolz Electrophone. Convincing evidence of its merits exists in the numberless testimonies of gratified users.



*Ask for our elaborate and fully descriptive new book, number 30—we shall be glad to send it.  
You will be glad to have it.*

AGENTS APPOINTED IN ALL COUNTRIES

:: Special Terms made to Large Buyers. ::

**THE STOLZ ELECTROPHONE CO., LTD.,**  
*Head Office : Byron House, 85 Fleet St., London.*

# PARNALL & SONS, LTD.

MAKE A SPECIALITY OF

## Showcases, Screens, &c.

FOR CHEMISTS and DRUGGISTS.

*Catalogues free on application to*

## NARROW WINE ST., BRISTOL.

LONDON: 20 Bucklersbury, E.C.

SWANSEA: 12 Alexandra Road.

(2)

### OWEN'S Brackets, FOR SHOP WINDOW SHELVES.

Improved Patent  
15327.

Self Fastening  
Self Adjusting

NO SCREWS NEEDED.



As cheap as ordinary Shop Window Brackets, and far more effective.  
Particulars and Prices from the Patentee and Manufacturer—  
R. OWEN, 44 BRUNSWICK ROAD, LIVERPOOL.  
LIBERAL TERMS TO THE TRADE.

### GARDNER'S PATENT "RAPID" SIFTERS & MIXERS

OVER 3,700 working in

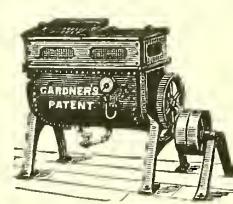
Almost Every Trade where  
POWDERS are sifted and  
Mixed and Lumps Re-  
duced, all being done at  
one operation and without  
loss by dust.

FOR HAND OR POWER.

From 55/- to £90.

CATALOGUES FREE.

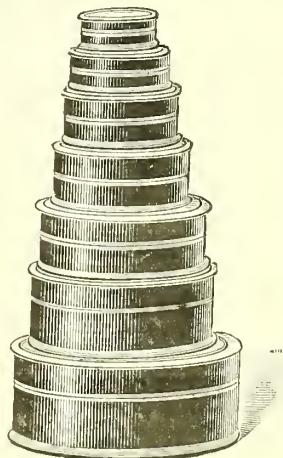
WM. GARDNER & SONS, Engineers, GLOUCESTER.



## THE PREMIER HOUSE FOR ROUND BOXES

### SPECIALITY

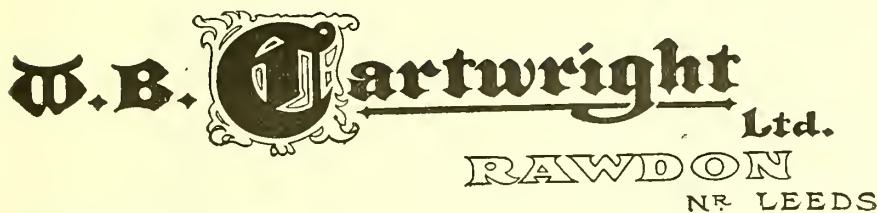
FLANGED PILL BOXES MADE  
BY OUR PATENT AUTOMATIC  
MACHINERY



WE SHALL BE PLEASED TO  
QUOTE AND SEND YOU  
SAMPLES AT ANY TIME  
DROP US A POSTCARD

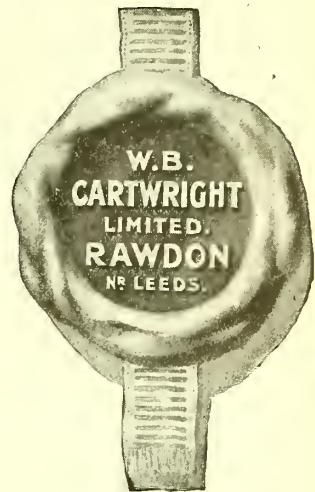
# ROBINSON & SONS, Ltd., CHESTERFIELD

TELEGRAMS: "TABLETS LEEDS."  
 TELEPHONE: "NO. 33, RAWDON."  
 STATIONS: APPERLEY BRIDGE, MIDLAND,  
 ECCLESFIELD, GT. NORTHERN.

MEMO.COMPRESSED TABLET  
MANUFACTURERS.

W. B. CARTWRIGHT, *Managing Director.*  
 J. RENNIE, M.P.S., F.C.S., *Works Director.*  
 H. H. TOMLINSON, *Advertising Director.*

In reply please quote: HHT/EH



June 18th, 1912.

To the Pharmacists & Wholesale Druggists in Great Britain.

Dear Sirs,

We have just extended our plant—added a number of latest pattern machines making a possible maximum output of 12,000,000 tablets per week.

Taking an average weight of each tablet as 10 grains, this represents 7 tons 13 cwts. per week.

The weights vary from  $\frac{1}{2}$  grain to 1 oz.

We handle the very best work in plain, coated, or effervescent tablets. We maintain the highest efficiency throughout, the works department being under the constant superintendence of

J. Rennie, F.C.S., M.P.S.

We should be pleased to receive your enquiries for bulk or packed work.

Yours truly,

W. B. CARTWRIGHT, Ltd.,

(H. H. T.)

**IN CONSTANT DEMAND  
THROUGH THE SUMMER**  
Hawley's remarkably effective insect killer



**MINIMUM RETAIL**

|              |          |              |          |
|--------------|----------|--------------|----------|
| 3d. size ... | 2/- doz. | 6d. size ... | 4/- doz. |
| 4½d. , ,     | 3/- doz. | 1/- , ,      | 8/- doz. |

To Drug a/c  
Evans Sons Lescher & Webb Limited  
London & Liverpool

The Latest and Best **FLY CATCHER** in existence.  
FOR COLONIAL AND FOREIGN TRADE.

**The PYRAMID** Neatest, Cleanest and Most Effective.

HUNG UP AS A TAPE.

STOOD UP AS A PYRAMID

No. 2. As sent out.  
No. 2. Extended fully, to hang up as a tape.  
No. 3. Partially extended: may be done so any height from 1 inch to 18 inches, and can then be stood up on shelf, mantelpiece, &c., or hung up as desired.

**Prices**

|                             |               |
|-----------------------------|---------------|
| 1 gross lots, 7/- per gross | Carriage Paid |
| 2 " " 7/- "                 | in U.K.       |
| 5 " " 6/- "                 | Cash with     |
| 10 " " 6/- "                | Order         |

SPECIAL PRICES FOR LARGER QUANTITIES.  
AGENTS WANTED IN ALL PARTS OF THE WORLD.  
**BROOK, PARKER & CO., Ltd., BRADFORD.**

A wide band sticky on both sides, unrolling like a blind  
6/- gross, post paid on receipt of P.O.

**FLYODOOMO** - the old favourite Fly Paper.  
6/- gross, post paid on receipt of P.O.

**Jno. H. Smith & Co.**  
TELEGRAM: BATH, CHEMIST, NEWARK.  
**NEWARK-ON-TRENT.**

# FLY CATCHERS.

## THE IMPROVED "TURNSTILE" FLY COIL.

6/- per gross.

Excellent Sticky Fly Paper. Very effective. Clean and easily opened.

## THE "KACH" FLY RIBBON

2½ inches wide. 6/- per gross.

Ribbon Sticky on both sides, contained in a small box, is very easily opened, clean and effective in use.

## THE "SWALLOW" FLY CATCHER.

5/- per gross.

The Old Favourite Fly Exterminator.

## THE "SWIFT" FLY CATCHER.

4/6 per gross.

A most successful Sticky Fly Paper.

## CHEMICAL FLY PAPERS.

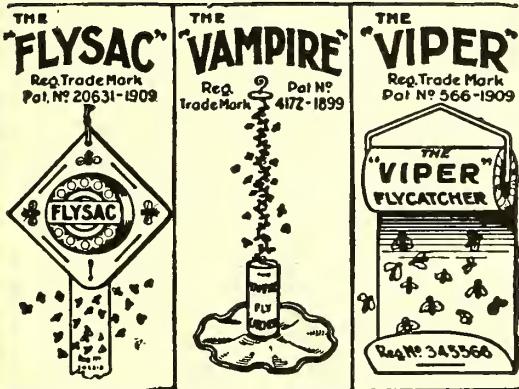
Printed with customer's own Advertisement

|                |                |
|----------------|----------------|
| 500 for 10/-   | 3,000 at 13/-  |
| 1,000 for 15/- | 5,000 at 12/-  |
| 2,000 at 14/-  | 10,000 at 11/- |

**FORD, SHAPLAND & Co.,** CHEMISTS' AND GENERAL PRINTERS,  
6, Great Turnstile, High Holborn, London, W.C.

TELEGRAPHIC ADDRESS: "FORSHAPCO, LONDON."

TELEPHONE: 65 CITY.



Effective and Economical.

Sell at Sight.

Clean and Elegant.

Big Profits and Quick Returns.

Appreciated by everyone except the Flies, and even they stick to it.

SOLE MAKERS:

**KAY BROTHERS Ltd., STOCKPORT.**

Nat. Tel.: 247.

Reg. Telegraphic Address:  
"Kay Stockport."



CHRISTY  
STRONG'S  
"COBWEB" AND "GRIP"  
FLY PAPERS

Per Gross 5/- Carriage Paid.

Postal Address:  
**115 CHATHAM STREET,**  
**READING.**

Telegraphic Address: "STRONG READING."

Increase your profits largely  
by selling



By Royal Warrant  
to  
H.M. 'THE KING'.  
Gold Medal  
and  
Diploma,  
World's Fete,  
1907.

The Standard Sheep Medicine and sure cure and preventive for Tapeworms, Husk, or Hoose, and worms generally in sheep and lambs. Sells in large quantities. In cans (30 to 40 doses), 5/-;  $\frac{1}{2}$ -gal. (90 to 120 doses) 12/-; and 1 gall. (180 to 240 doses), 25/- each.

Each with dose bottle in receptacle on top.

**WALTON'S (late of Croydon)**  
**ROUP PILLS.**

Cure all classes of Poultry, Game and Pigeons of Roup, Gapes, Colds, and other disorders of the Throat, Lungs, &c.; all inflammatory actions and Canker in Pigeons.

**WALTON'S**

**TONIC PASTE.**

Prevents disease in Poultry, Game, and Pigeons; cures Indigestion, Loss of Appetite, Diarrhoea, Crop (relaxed or bound), General Weakness and Debility.



TRADE MARK

Finest preparation known for preparing exhibition birds. Pills and Paste in packages, 6d., 1/-, 2/-, 5/-, and 10/-. Liberal terms. Effective Show Cards and attractive literature supplied, including useful treatise "Health for Sheep."

Sole Proprietors: STEPHEN PETTIFER & SONS  
Only Address: MALMESBURY, WILTS.  
Wholesale from all usual houses.

#### STAND 137. Protected Territory.

#### "Extermino" EXO Rat Poison.

Profit 100 per cent. and more. Only one appointed Agent in each town. A Marvel in Modern Pharmacy.

NOTE.—EXO is the only Rat Exterminator used in fighting the Plague at Durban, Natal. A Guarantee of Merit beyond dispute. See testimonials. EXO is being extensively advertised. Circulars own name and address. Special terms to Exporters and Overseas Buyers. Any language. Showcards, etc. Call and see us. Should you forget, write.

ENAMELLED CARTONS, 6d., 1/-, 2/-, 5/-  
Per Gross, 36/-, 72/-, 144/-, 360/-

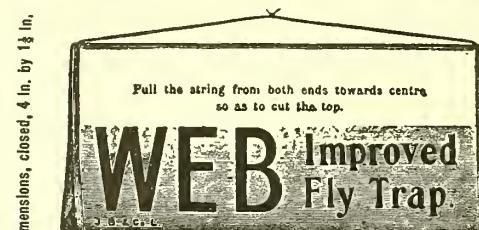
Carriage paid on 25/- worth which may be assorted.

PROPRIETORS:

THE "EXTERMINO" CHEMICAL COMPY.,  
William Lane, Dundee.

Cash on receipt of goods. 5% discount.

#### A CATCHING LINE!



Dimensions, closed, 4 in. by 1  $\frac{1}{2}$  in.

Pull the string from both ends towards centre  
so as to cut the top.

**WEB** Improved  
Fly Trap.

Dimensions, open, about 24 in. by 4 in.

Sole Proprietors:  
**J. BARRACLOUGH & CO.**, Water Lane, LEEDS.  
Samples and prices on application.

#### RODINE AGENCY PAYS. YIELDS NEARLY 100 % PROFIT.

Mr. W. C. Critchley, Longridge, Preston, writes, June 1st, 1912: "The sales of 'Rodine' are extremely numerous. Been unable to keep up. Just run out of 6d. and 1/-; repeat orders. No other selling."

#### RODINE RAT POISON

is extensively advertised in leading papers. Specially appointed Agents are advertised and supplied with attractive literature bearing their names.

Retail Prices, 6d., 1/-, 2/-, 3/-, 5/-.

PRICES TO APPOINTED AGENTS ONLY:  
Trade Terms, 3/3, 6 6, 13/-, 19/6, 32/6 doz.

Min. Carriage Paid Order, 20/-.  
Smaller Lots, 4/-, 8/-, 16/-, 24/-, 40/- doz.

For immediate option of Sole Agency,  
apply to the Maker—

HARLEY, Manufacturing PERTH, N.B.  
Chemist.

#### Attractive Window or Counter Display

CAN BE OBTAINED BY USING THE

#### 'Loncol' Adjustable Show Stand

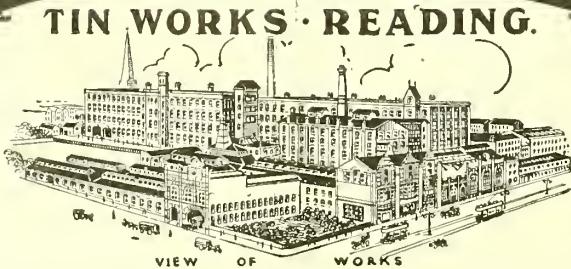
It will increase your sales.  
The cheapest & most adaptable stand on the market.  
Made in all sizes & shapes.

Write now AT ONCE for particulars to the  
**LONDON & COLONIAL MANUFACTURING CO.**  
9 Mildmay Chambers, BISHOPSGATE.

# HUNTLEY, BOORNE & STEVENS. LTD.

TIN WORKS · READING.

COLOR  
PRINTERS  
ON TIN



MAKERS OF HIGH-CLASS  
DECORATED & PLAIN TIN BOXES  
& SPECIALITIES FOR CHEMISTS

QUOTATIONS TO SAMPLES  
OR DESCRIPTIONS

CORRESPONDENCE INVITED

TELEGRAMS NATIONAL  
"TINWORKS READING" TELEPHONE 28

No. 38.

S. MAW, SON & SONS  
7 TO 12, ALDERSGATE ST.  
LONDON, E.C.



# Maw's

# Page.

Telegraphic Address: "ELEVEN LONDON."

Telephone No.: LONDON WALL 3230 (4 lines).

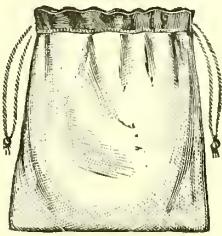
We invite all Pharmacists to write for the 1912 Edition of our Sponge Bag and Wrap List.



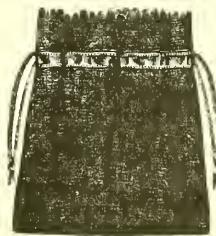
We know it contains many patterns, and many prices, which will pleasurable appeal to you—from a business point of view. The following patterns are selected from this indispensable list that you may appreciate better our conception of value.



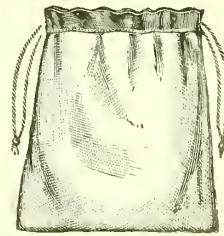
The "Reliable."  
From 7/- doz.



The "Prudence."  
From 7/- doz.



The "F/E Brown."  
From 7/- doz.

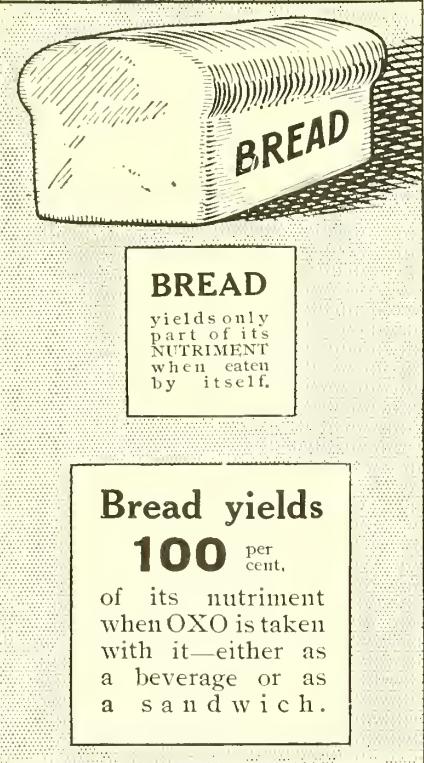


The "Jap Silk."  
From 9/- doz.

Other prices from 2/9 to 32/- per doz.

SPECIAL "HOLIDAY REQUISITES" NO. OF "MAW'S PAGE" APPEARS JULY 20TH.

33/6.7.12,



OXO, Thames House, London, E.C.



## talking points

Chemists, more than any other men with the single exception of Doctors, are consulted by customers as to the virtues of different articles of food. This reproduction of an OXO advertisement will interest those Chemists who encourage inquiries of this nature.

### OXO and BREAD

*A little OXO with a little bread gives more nutriment than much bread.*

Look at the diagram. It shows the wonderful increase in the amount of nutriment you get from bread when you take OXO with it. You can therefore reduce the bread bill considerably if you use OXO, and at the same time secure a wonderful increase in strength and stamina.

OXO can be taken with bread in many ways : (1) as a nourishing drink ; (2) as a delicious OXO sandwich by spreading OXO on brown or white bread and butter ; (3) simply delicious on hot buttered toast for afternoon tea instead of salmon, shrimp or other pastes ; (4) served with squares of toast in a dish of OXO soup ; (5) bread and OXO made in the same way that you make bread and milk, but using OXO instead of milk. Many other ways will occur to thoughtful housewives.

# A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

(VINUM AURANTII, B.P.) Prepared in strict accordance with the Formula of the British Pharmacopoeia.  
London Agent: JAMES STIRTON, 23 ST. DUNSTAN'S HILL, E.C.

(Wholesale only.)

# SODA-WATER MACHINERY.

*By the use of our latest Back Pressure Filling Machines only half the usual quantity of Gas is used for the manufacture of the Highest quality Soda-water, either in Syphons or Bottles.*

### THE "COMPACT" MACHINES

are specially designed for

CHEMISTS, GROCERS, RESTAURATEURS,

and everyone to whom space is an object, and can be used for filling Syphons, Codd's Bottles, or Cork Bottles.

OCCUPY LITTLE SPACE!

ARE READY FOR USE IMMEDIATELY!

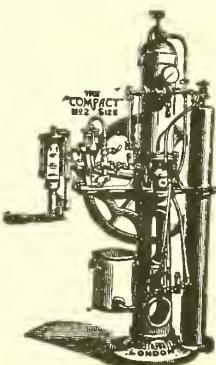
REQUIRE NO FIXING!

Produce Soda Water, Lemonade, &c., of the highest class and greatest purity.

Write for Catalogue.

BARNETT & FOSTER, Niagara Works, 26<sup>T</sup> Eagle Wharf Road, N.

Proprietors of Galloway Bros., Bolton.



A COMPLETE APPARATUS—  
CAPABLE OF PRODUCING OVER  
300 DOZEN LARGE BOTTLES  
OF AERATED WATER PER DAY

—FROM £20.

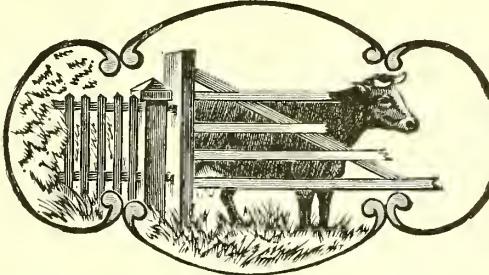
Bottles, Boxes, Essences, and all  
Requisites for the Trade at  
Lowest Prices.

# LARGE SALES and GOOD PROFITS

ASSURED TO CHEMISTS WHO PUSH

**COW &  
MILK, IN**

STERILE.



**GATE  
POWDER FORM.**

ASSIMILABLE.

**THE POPULAR AND PRACTICAL SUBSTITUTE FOR MOTHERS' MILK.**

**SPECIAL FEATURES—**

**STERILE:** Protects from Summer Diarrhoea. **DIGESTIBLE:** Coagulates in fine flocculent form, and is assimilated when other foods fail. **CONTAINS EVERY NEEDED ELEMENT TO ENSURE PERFECT NUTRITION.** **SIMPLE TO PREPARE:** Hot Water only needed.

No complicated formulas for Mothers or Nurses.

HIGHLY APPROVED BY THE MEDICAL PROFESSION.

**"BABIES LOVE IT."**

SHOWCARDS, DUMMIES, and ILLUSTRATED LITERATURE supplied through Wholesale Houses, or direct on application to—

**Sole Manufacturers: THE WEST SURREY CENTRAL DAIRY CO., LTD., Guildford, England.**

# VITTEL

**GRANDE SOURCE.**

The TABLE WATER for Arthritis,  
Gout, and Kidney Troubles. . . . .

**10,000,000 BOTTLES SOLD ANNUALLY.**

**SOURCE SALÉE.**

The TABLE WATER for Constipation,  
Complaints of the Liver and Stomach,  
Gall Stones, Glycosuria, &c. . . . .

Vittel Spa has many attractions for visitors.

Full particulars on application

**VITTEL, 12 Mark Lane, LONDON, E.C.**

PRICES PROTECTED.

**Dr. Allinson's Food Preparations.**

Food for Babies, Prepared Barley, Brunak, Power, M.F. Cocoa,  
Biscuits, Soup, Nutbutter (Walnut Blend), Wholemeal, &c.

**NOTICE TO THE TRADE.**

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send post-card direct to us, and a list will be sent to you by return. See trade mark on all our goods: "T. R. ALLINSON." *None Genuine Without.*

**NATURAL FOOD COMPANY, LIMITED.**  
**305 Cambridge Road, Bethnal Green, LONDON, E.**

*Handbills, Booklets, Showcards, &c., Free.*

**N.B.—Our goods are to be sold only at prices stated upon the Price Lists we issue to the trade.**

**SAL HEPATICA.**

PUT UP FOR EXPORT.

|        |       |       |         |          |
|--------|-------|-------|---------|----------|
| Small  | size, | 3 oz. | bottle, | in case. |
| Medium | "     | 7 "   | "       | "        |
| Large  | "     | 16 "  | "       | "        |

**OBtainable in London From**

Thos. Christy & Co., 4-12 Old Swan Lane,  
Upper Thames Street, E.C.

The American Drug Stores, 24 Orange Street,  
Haymarket, London, W.C.

Burgoyne, Burbidges & Co., 16 Coleman Street,  
E.C.

F. Newbery & Sons, Ltd., 27 Charterhouse  
Square.

Roberts & Co., 26 New Bond Street, W.





**When you see this Illustration**

In the Press let it be a reminder to

**Examine your stock of**

# SARGOL

**WHOLESALE PRICES.**

|               |         |     |
|---------------|---------|-----|
| 43/3 per doz. | ... ... | 4/6 |
| 24/-          | " "     | 2/6 |

Attractive Showcard with 3 doz. lots.

Steadily Advertised. Steadily in Demand.

**SARGOL to the CHEMIST means  
QUICK SALES AND LARGE PROFITS.**

**STOCK IT TO-DAY.**

**THE SARGOL CO., 124 Holborn, LONDON, E.C.**

# LOOFAHS. IMPORTER'S BARGAIN.

**Over  
100%  
Profit**



**AND  
BONUS OF  
6  
Dr. NELSON'S  
"LOOFITE"  
WASHING  
GLOVES.**

**278 Bishopsgate, London, E.C.**

**P.O. or cheque for  
brings you C. Paid 13/-**

**1 Gross FIRST QUALITY  
New Season's LOOFAHS Assorted.**

|         |     |     |                 |
|---------|-----|-----|-----------------|
| 6 Dozen | ... | ... | 8 in. to 10 in. |
| 3 "     | ... | ... | 10 in. " 12 in. |
| 3 "     | ... | ... | 12 in. " 14 in. |

**D B L PARCEL 25/-**

# Freeman's

When ordering supplies of Chlorodyne be sure to specify FREEMAN'S—the leading specific for Cholera, Dysentery, Diarrhoea, and kindred disorders. Praised by doctors and public all over the world. It pays you a very generous profit.

# FREEMAN'S ORIGINAL CHLORODYNE

Usually retailed at 1/1½, 2/9, and 4/6 per bottle. P.A.T.A. prices to Home Trade—9/3, 24/- and 40/- per doz. Carriage paid on 45 lots. Prompt and careful attention given to EXPORT orders, with specially low terms. Foreign & Colonial Agents wanted where not represented. Write, FREEMAN'S CHLORODYNE, Ltd., London, S.E., Eng.



# Lofthouse & Saltmer, Ltd.

**Wholesale and Export Drug  
Merchants, Manufacturing Chemists,**

**HULL,**

invite the attention of the Trade to the following well-tried preparations, which carry a big P.A.T.A. retail protected profit, and are well known and valued by the public in many parts of the country.

### Losall's Asthma Remedy.

Very effective Remedy for Asthma, Bronchitis, &c.

| PROTECTED<br>PRICE. | RETAIL<br>DOZ.<br>net. |
|---------------------|------------------------|
| 1/-                 | 7/6                    |

### Losall's Salt.

The popular remedy for Eczema, Gout, Rheumatism, and Biliousness. Well advertised.

|     |      |
|-----|------|
| 6d. | 3/6  |
| 1/- | 7/-  |
| 1/6 | 10/6 |

### Losall's Compound Sulphur Soap.

A valuable emollient medicated Skin Soap, especially for use in Eczema cases.

|     |     |
|-----|-----|
| 1/- | 8/- |
|-----|-----|

### Prepared Barley ("CROWN" BRAND).

Usual 1/- size, lever lid tins, for children and invalids.

|     |
|-----|
| 4/- |
|-----|

### Malted Food.

Usual 1/- size, lever lid tins, name and address free on 3 dozen. Special design label with name and address on gross orders, if desired.

|     |
|-----|
| 4/6 |
|-----|

London Agents: F. NEWBERY & SONS, Ltd.

## Drugs that fulfil the Spirit of the Prescription

TRADE MARK

# 'WELLCOME'

BRAND

## GALENICALS



These products realise the ideal. Exceptional purity and uniformity of composition are secured by employing only the finest materials, the most approved methods of production, and scientific standardisation.

Special attention is directed to the convenience of—

### 'WELLCOME' BRAND STANDARDISED GRANULAR EXTRACTS

They correspond to the respective soft or dry extracts but are much more convenient for dispensing.

Being dry and mobile granules they pour on and off the scale-pan without adhering, thus facilitating accuracy and obviating mess and waste.

### IDEAL FOR PILL- MAKING



Extracts of Belladonna (Green), Cascara Sagrada, Ergot, Hyoscyamus, Nux Vomica, Opium and Rhubarb are issued.

*For prices, etc., see the 'Wellcome' Chemicals List.*



Carting Belladonna on the 'Wellcome'  
Materia Medica Farm



Extracting Belladonna at the 'Wellcome'  
Chemical Works



G 498

BURROUGHS WELLCOME & CO., LONDON  
NEW YORK MONTREAL SYDNEY CAPE TOWN MILAN SHANGHAI BUENOS AIRES

*London Exhibition Room: 54, WIGMORE STREET, W.*

COPYRIGHT

# FROZEN FOAM

(REGD. TRADE MARK).

The Toilet Requisite  
“*PAR EXCELLENCE*”  
For the Summer.

Its Cooling and Emollient Properties render it Indispensable,  
:: :: :: and a Necessity for every Toilet Table. :: :: ::

— Packed in four different styles —  
“READY FOR RETAIL”

WHOLESALE.

**3/9** per dozen. On the  
**5/9**        “      P.A.T.A.

RETAIL.

**6d.** each.  
**9d.**     “

VERY ATTRACTIVE SHOWCARDS in Six Varieties  
SUPPLIED FREE.

— SPECIAL TERMS FOR WINDOW DISPLAY. —

**The British Drug Houses, Ltd.**  
LONDON.



A Weekly Journal of the Chemical and Drug Trades  
and of  
British Pharmacists throughout the Empire,  
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is the leading journal addressing the chemical and drug trades of the British Empire. It is adopted as an official journal by nineteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa and the West Indies, and its paid-in-advance circulation in Great Britain and all Countries having business relations with the British Empire is intrinsically and numerically unique.

#### Subscription Rates.

Ten shillings a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist's Diary* next published. Subscriptions may begin any month. Single copy, 6d.; Summer or Winter Number, 1s.; *Diary*, 6s. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12-60 francs, françois.

Jährlicher Abonnementspreis: die Zeitung einmal wöchentlich, und der Notizkalender einmal im Jahre, 10 Mark, postfrei.

Precio de suscripción anual: el periodico una vez por semana, y el agenda una vez por año, 12-60 pesetas, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

**Head Office: 42 CANNON STREET, LONDON, E.C.**

Telegrams: "Chemicus London." Telephone 852 Bank (two lines).

**Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.**

#### CONTENTS: Vol. LXXXI., No. 1 (Series No. 1693).

[The folios in this List and in the Summary are those at the top of the pages, but references in the Text are to the Index folios at the bottom of the pages.]

| PAGE                                    | PAGE |  |    |
|---|------|--|----|
| Association Affairs .....               | 46   | Irish News .....                           | 35 |
| Bankruptcy Reports .....                | 39   | Legal Reports .....                        | 37 |
| Births .....                            | 40   | London Drug Statistics..                   | 63 |
| British Pharmaceutical Conference ..... | 46   | Marriages .....                            | 40 |
| Business Changes .....                  | 41   | National Health Insurance .....            | 42 |
| Canadian News .....                     | 57   | Observations and Reflections .....         | 49 |
| Companies and Company News .....        | 39   | Personalities .....                        | 40 |
| Correspondence :                        |      | Pharmaceutical Society of Great Britain :  |    |
| Letters .....                           | 64   | Council-meeting .....                      | 44 |
| Legal Queries .....                     | 65   | Poisonings .....                           | 47 |
| Miscellaneous Inquiries .....           | 66   | Retrospect .....                           | 66 |
| Deaths .....                            | 40   | Scottish News .....                        | 36 |
| Deed of Arrangement ...                 | 39   | Select Committee on Patent Medicines ..... | 54 |
| Editorial Articles :                    |      | Shops Act .....                            | 43 |
| Rectified-spirit Licence .....          | 50   | South African News .....                   | 37 |
| The Copyright Act .....                 | 51   | Trade-marks .....                          | 53 |
| Census of Production... .....           | 51   | Trade Notes .....                          | 41 |
| English News .....                      | 34   | Trade Report .....                         | 59 |
| French News .....                       | 36   | Westminster Wisdom .....                   | 58 |
| German News .....                       | 59   | Wills .....                                | 41 |
| Glycobaes .....                         | 48   |  |    |
| Information Department .....            | 48   |  |    |

#### In the Coloured Supplement.

Athletics.  
Coming Events.

Gazette.  
Summer Outings.

#### THE REASON WHY

Astute business men do not continue unprofitable methods of attracting trade. It may safely be assumed, therefore, when successful manufacturing firms connected with the drug and allied trades have, year after year,

#### SPECIALLY-PRODUCED INSETS

in the Summer Issues of THE CHEMIST AND DRUGGIST, that they obtain satisfactory results by this Publicity. The Summer Issue of 1912 will be published on July 27, and the Publisher is booking insets now. Has he had your order? If not, write to 42 Cannon Street, London, E.C., in regard to your requirements, and he will help you to produce an inset that will

**PAY.**

#### SUMMARY OF THIS ISSUE.

The more notable items only are dealt with.

#### Articles and Communications.

Earl Rosebery made some interesting remarks the other day in regard to "the passing of the apothecary" (p. 53).

We give further particulars about the Bromley man who is sending postcard orders to chemists for goods and does not pay for them (p. 53).

The Census of Production Office is getting ready to issue forms for a census of this year's business, and we give particulars on pp. 51-52 of the new forms for the chemical, drug, and allied trades.

The regulations have been issued this week regarding the new licences for the sale of rectified spirit to chemists, medical men, and laboratories. We deal with the subject as a whole on p. 50.

Correspondence topics are the Shops Act, National Insurance Dispensing, and the British Pharmaceutical Conference. We have also in type a second letter in regard to the Government chemists (p. 64).

The new Copyright Act came into force on Monday. Under it will be necessary for copiers and imitators of labels, price-lists, etc., to prove, in the event of their prosecution, that there is no copyright in what they imitate (p. 51).

#### News of the Week.

The latest store-prices for proprietaries are on p. 34.

British Columbia has rejected the Pharmaceutical Society's suggestion as to to reciprocity (p. 59).

Mr. Marshall Freeman, the Unionist candidate for Ilkeston, made a very good fight (p. 40).

Mr. Horace Ridley, of Risborough, successfully defended a charge against him respecting Gregory's powder (p. 38), and a few hours later died in a Risborough chemist's shop (p. 40).

Chemists' Associations used to steer clear of the summer months for meetings. It is no longer so, and we report about a dozen on pp. 46-47, besides a number of outings in the Supplement.

The members of a committee, headed by the Vice-President of the Pharmaceutical Society of Great Britain, have decided to invite the British Pharmaceutical Conference to meet in London in 1913. We give the titles of papers so far promised for the Edinburgh meeting.

The promise in a National Health leaflet of "Doctor and Medicine" has produced several questions in the House of Commons, and Sir Philip Magnus is so disappointed with what Mr. Masterton has told him that he is to repeat his question until he gets a full answer. See this and other matters (p. 54).

We give on p. 42 a complete list of pharmacists who have been appointed by the National Health Commissioners as members of the Provisional Insurance Committees in England; also the names of some who have been appointed in Scotland, and of others who have been selected by county and town councils.

The Select Committee on Patent Medicines resumed its inquiry on Thursday, and the proceedings commenced with the cross-examination of Mr. E. F. Harrison by Mr. Glyn-Jones, M.P., other members also questioning him. After luncheon evidence was given by Dr. Mary Sturge. Our report begins on p. 54.

The Council of the Pharmaceutical Society of Great Britain met on Wednesday and had a good deal of routine business to do. The Treasurer reported that last month's finances were not so good as in 1911. Gratification was expressed at the representation of pharmacists on the Insurance Committees, and the Jacob Bell Scholarships examination was once more discussed (pp. 44-46).

#### Trade and Market Matters.

The enormous inconvenience to business resulting from the London strike is keenly felt in the chemical and drug trades, so that dulness is the prevailing tone on the markets. Comparatively few changes in values have been made. Cream of tartar, eucalyptus oil, and rhubarb are dearer and among the products which have declined in price are cinnamon, codeine, and new-crop senega (p. 59).

B

## ENGLISH AND WELSH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

### Brevities.

Mr. G. H. Pierson, Ph.C., has been appointed temporary dispenser at the Southwark Infirmary at a remuneration of 3*l.* a week.

The pharmacy of Mr. T. E. Pask, chemist and druggist, 25 Bridge Street, Worksop, was broken into last week during the night, and about 14*s.* taken from a missionary box.

Plans for additions to the business premises of Mr. F. Bird, chemist and druggist, at the corner of Spon Street and Windsor Street, Coventry, have been passed by the City Council.

A blue gum-tree (*Eucalyptus globulus*) is in full bloom in an Eastbourne garden. The plant was placed in the open four years ago, and the flower-buds came out in the great heat of last summer, but remained closed until last week.

The catalogue of the sale on July 10 of the effects of Mr. Gower, Bourton-on-the-Water, mentions six old mortars among the lots. One mortar, two-handled, is dated 1607, another 1632; while the largest, of gun-metal, is 14 in. high.

Sir Henry Norman, M.P., Chairman of the Select Committee on Patent Medicines, speaking at the Blackburn Reform Club on June 28, mentioned that he is putting in twelve hours' work a day at St. Stephen's as Chairman of the Committee and on the floor of the House of Commons. He recalled that recently a Blackburn lady, visiting the House, asked his little daughter—pointing to the House of Commons—if she knew what that place was, and the reply was, "Yes, that's where father works."

### Royal Visit to Wales.

During the visit of the King and Queen to Cardiff and South Wales last week, Mr. James Murray, chemist and druggist, 5 Bute Street, Cardiff, had the opportunity of taking some photographs of the royal visitors as they passed through the streets, and we are indebted to him for proofs of these. After laying the foundation-stone of the new Welsh Museum on Wednesday, June 26, the royal party moved to the University close by, where the new Research Laboratory was formally opened by the King.

### Imperial Universities Congress.

This Congress of representatives of all Universities in the British Empire was opened at the University of London, South Kensington, on Tuesday, July 2, by the Earl of Rosebery, as the Chancellor of that University. The Congress was continued on Wednesday, Thursday, and Friday of this week, and besides the daily business dealing directly with educational and University matters, there were many festivities, including a luncheon and reception given by the Government, dinners by several City companies, and an "At Home" by the Lord Mayor and Lady Mayoress at the Mansion House on Thursday evening.

### Analysts' Affairs.

Six samples of cream of tartar and one of castor oil examined recently at Southampton were found to be genuine.

The Hull analyst (Mr. A. R. Tankard, F.I.C.) states in his last monthly report that of two tincture of iodine samples one was 12½ per cent. deficient in alcohol. Two samples of carbolic fluid submitted by the medical officer were found to be 4 per cent. below specification (20 per cent.).

### Guardians' Doings.

The dispensing of Poor-law medicines at Yarmouth has been finally settled by the Guardians sealing a contract with Mr. Whitfield, of Regent Road (*C. & D.*, June 15, index folio 860). Mr. J. S. Shearman, a chemist member of the Board, objected on the ground that Mr. Whitfield's shop was outside the district. He said he should carry the matter further. The Deputy-Clerk said the shop was in the Market Ward, which was included in the district.

The Relieving Officer for the North District, on being appealed to, said he regarded Mr. Whitfield's shop as in the South District, which was borne out by the officer for the latter district.

### Store Prices.

Two pages are devoted to the drug department in the July members' circular of the Civil Service Supply Association, Ltd. C.S.S.A. summer beverages and toilet-articles occupy the first page, and three new C.S.S.A. toilet-soaps (lavender, lily-of-the-valley, and Parma violet), at 3½*d.* per tablet, a third of the remaining space. Seltzogenes and "Prana" sparklet syphons are also given prominence.

The recent additions to stock are: Jeyes' bath-soap, 4*d.* per tablet, 10½*d.* per box of three; Margerison's bath-soap, 4*d.* per tablet, 1*s.* 3½*d.* per box of four; Royal Vinolia-cream soap, box of three tablets, 1*s.*; Visem food-tablets, 1*s.* 6*d.* per tin; Mothersill's seasick-remedy, 2*s.* 3½*d.* and 4*s.* 6*d.* per packet; Zotos, 2*s.* 7*d.* per box; Tiz, 1*s.* 1½*d.* per box.

Prices advanced include Contrexéville (Pavillon) water, 9*d.* per bot.; glycerin and blackcurrant pastilles (Allen & Hanburys'), 10*d.* per box; lichen jujubes (Allen & Hanburys'), 10*d.* per box; Listerine, 2*s.* 2*d.* and 4*s.* per bot.; Rowland's Kalydor, 2*s.* 2*d.* and 4*s.* 2*d.* per bot.; Rowland's Macassar oil, 2*s.* 4*d.* and 8*s.* per bot.; Rowland's Odonto, 2*s.* 4*d.* per bot.

Prices reduced are: C.S.S.A. carbolic tooth-powder, 3½*d.* per tin; C.S.S.A. effervescent citrate of magnesia, 1*s.* 3½*d.* per 1-lb. bot.; C.S.S.A. cod-liver-oil emulsion, 6-oz. bot. 7*d.*, 12-oz. 1*s.*; C.S.S.A. cascara sagrada (aromatic), 4-oz. bot. 11*d.*

### Liverpool Notes.

It is whispered that Mr. Humphreys Jones, F.C.S., Ph.C., will be proposed as the President of the Liverpool Chemists' Association at the next annual meeting.

Local photographic chemists have had a "good season" so far. Last year's fine summer gave an impetus to amateur photography which has been well sustained this year.

Liverpool chemists are apparently preparing for the International Exhibition which is to be held in Liverpool next year. Several new shop-fronts have been put in, others have been painted and renovated, and on every hand are signs of activity.

Mr. Jewell, chemist and druggist, is back again at his pharmacy in London Road. Some two years ago ill-health compelled him to go abroad to recuperate, Messrs. Heppe, Ltd., Haymarket, London, taking over the business, but Mr. Jewell is now back again and looking very well.

The museum and library of the Liverpool Chemists' Association, which has been dormant for a number of years, will shortly be made a "thing of reality." A committee has been formed, with Mr. J. H. Robinson as an energetic Secretary, and this decadent branch of the Association will be resuscitated.

The Town Clerk has issued a list of exempted and non-exempted trades outside of the City (Central) area. Chemists as a class are "non-exempted." A necessary majority voted in favour of half-day holiday. On the other hand the trade of "surgical and medical appliances" has been exempted. The position now is: City chemists, total exemption; Suburban chemists, compulsory closing.

### Poison-licences.

Mr. Thos. Griffith Hughes, grocer, Castle House, Holyhead, has applied to the Anglesey County Council for a poison-licence.

The Nuneaton Town Council has granted a poison-licence to Parsons, Sherwin & Son, Ltd., ironmongers, etc., New Bridge Street.

The London County Council's Public Control Committee has granted a poison-licence to Mr. A. E. Davies (A. E. Davies & Co.), 164 Lever Street, Finsbury, E.C.

### Contracts.

Cheltenham Guardians.—Sanitas Co., Ltd., for disinfectants.

Leighton Buzzard Urban Council.—Mr. H. Samuel appointed chemist for the ensuing quarter.

Isle of Wight Guardians.—Mr. A. Millidge, Mr. Bates, Mr. D. F. Ritchie, chemists, Newport, and Timothy White Co., Ltd., for druggists' goods.

Wandsworth Guardians.—Thos. Hodgkinson, Prestons & King, for the supply of drugs at a discount of 39 per cent. off their catalogue prices. Mr. Alfred Owen, chemist and druggist, 260 Upper Tooting Road, London, S.W., for dispensing in the Tooting district, at 31*l.* 17*s.* 6*d.*

Camberwell Guardians.—When tenders for the supply of drugs were considered on June 26 the Guardians had before them a letter from Corbyn, Stacey & Co., Ltd., stating that in consequence of increased prices they had to amend certain items in their tender. The Clerk said this would make a difference of about 10*l.* in the total amount, which was 1,407*l.* 5*s.* 2*d.*, less 38*½* per cent., net 868*l.* 19*s.* 8*d.* Despite the increased charges their tender would still be the lowest. The Board decided to accept it.

#### Midland Notes.

In the list of Hospital Saturday contributions handsome sums are opposite the names of the chief wholesalers in connection with pharmacy and allied industries.

There appears a likelihood of a little spirit being thrown into the Midland Pharmaceutical Association council-election, for a postcard has gone the round inviting members to vote for Messrs. J. W. Atkinson, H. O. Lloyd, and C. S. Richards.

A committee of five hundred gentlemen and an executive of seventy were appointed on Monday at a meeting held in Birmingham, the Lord Mayor presiding, in connection with the visit of the British Association next year. Pharmacy is to be well represented on both these bodies.

Leamington, the home of high-class pharmacy, is being boomed by the authorities in the local papers. There is no doubt that it is well suited as a residential spot for the wealthy manufacturers of this city and its big brother Coventry, which it proclaims to be in the advertisements.

The newly formed Birmingham Chemists' Recreation Club has "caught on." Large numbers of pharmacists and their lady friends spend pleasant Wednesday afternoons on the field at Castle Bromwich. The club is already taking an active interest in the election of council for the local association.

Another case against hairdressers for alleged negligence of one of their assistants was brought in the Birmingham County Court by a bank clerk, who contended that impetigo, a barber's rash, was the result of a cut he got at their establishment, and had caused him great pain, humiliation, inconvenience, and loss. Damages 25*l.* were awarded, subject to further legal arguments.

#### From Various Courts.

At Stratford, E., on June 27, the charge against Wm. Henry Morris Randall, agent, Leyton, of obtaining goods from Mr. Thos. Henry Seed, chemist and druggist, 401 High Road, Leyton, by means of dishonoured cheques, was dismissed.

At Sheffield Police Court on June 28, Arthur George, manufacturing chemist, was fined 5*l.* for storing twelve 2-gal. tins of petrol in a cellar without a Corporation licence. Defendant stated that he had no idea that a licence was necessary. He used the petrol for making an inexpensive varnish, and had had it in stock for two years. The Chairman held that Mr. George, being a chemist, should have been aware of the necessity for a licence.

At Margate on June 28, Alfred William Bowles, errand-boy, was ordered to be detained at a reformatory school for four years for stealing goods and money to the value of 8*l.* 2*s.* 9*½**d.* from his employer, Mr. Victor J. Wooll, chemist and druggist, 16 Cecil Square, Margate. The boy had been sent with 7*l.* 17*s.* 6*d.*, the salary of one of the prosecutor's managers at a branch pharmacy, but the money was not delivered. Various articles taken from the shop were also found at the youth's lodgings.

At Staffs Quarter Sessions on June 25, the charge against Thomas Ottey, chemist and druggist, 70 Derby Street, Burton-on-Trent, of selling a noxious drug (*C. & D.*, June 29, index folio 940) was dismissed. Dr. Docherty stated that the drug supplied was colocynth. He would

not give plain colocynth to a woman who was *enceinte* under any consideration whatever. Mr. Vachell, K.C., for the defence, denied that the powder was a noxious drug, and said that it was not pure colocynth. Mr. H. Sylvester, public analyst, deposed that one powder analysed contained a small amount of starch, 37 per cent. of French chalk, 56 per cent. of colocynth, and the remainder "citrate of magnesia." In a second powder there was about 3*½* grains of colocynth out of the 6 grains. Defendant stated that the woman who purchased the powders for the police told him she had a cold, and he treated her for that and for her head. The poison-label was to prevent children touching the powder. A verdict of "Not guilty" was returned, and defendant was discharged.

## IRISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

#### Brevities.

Mr. Thorpe has been appointed analyst to the Wexford Board of Guardians at a salary of 18*l.* a year.

Mr. Patrick Mallon, Ph.C., late of Messrs. Hayes, Conyngham & Robinson, Dublin, has opened a chemist's shop in the premises formerly known as the Athenaeum, Newry.

Alderman McWalter, Ph.C., and Councillor W. McCarthy, Ph.C., Dublin, have been appointed representatives of the Corporation on the National Health Committee of the City of Dublin.

At the Belfast Recorder's Court on July 2, Anna Payne recovered 15*l.* damages from William Pemberton, manufacturing chemist, Cullingtree Road, Belfast, for injury due to being knocked off her bicycle by a motor-cycle which defendant was riding.

Mr. James J. Kerr, Ph.C., Fermanagh Street, Clones, has complained to the Local Government Board of the insanitary condition of his premises, there being no water supply and no proper system of sanitation. The matter is now being considered by the Town Commissioners.

Mr. Jas. Browne, druggist, 381 Woodstock Road, Belfast, has taken over the old-established drug-establishment of Miss Cunningham, 201 Newtownards Road, and will carry it on as a branch. This business was founded by the late Mr. B. Cunningham, and has latterly been carried on by his sister.

An application for an increase in salary from Mr. Stevenson, a dispenser in the service of the Belfast Guardians, led to some discussion at last week's meeting. It was stated that Mr. Stevenson has not yet reached his maximum salary, but that he has been paid a bonus for taking stock. The application was refused.

The Belfast Coroner held an inquest on June 28 relative to the death of Samuel McBride, the fourteen-year-old son of a chemist's assistant, who died on June 25 after half an hour's illness. Dr. Wilson, Queen's University, said that the *post mortem* showed that death was caused by asphyxia, due to failure of respiration, probably associated in some way with the enlargement of a persistent thymus gland.

On Thursday, June 28, the assistants of Messrs. Grattan & Co., Ltd., chemists, Corn Market, Belfast, met to present Mr. Wm. Meek with a marble clock on the occasion of his leaving Belfast to take up an appointment with Messrs. Baxter, Ltd., chemists, Ballymoney. Mr. G. W. Camlin made the presentation, and several of those present referred to Mr. Meek's good qualities, Mr. Meek thanking his fellow-assistants for their valuable gift.

The Belfast Corporation on July 1 confirmed the following report from the Police Committee: "Submitted report from the City Surveyor as to the means of storage provided by Mr. Saml. Gibson, 50 King Street, druggist, and others. The report showed that the regulations have not been fully complied with in any of the stores, and the Town Clerk was instructed to advise the applicants of the work required to be done in their premises before the necessary licences can be issued."

The Belfast Corporation at the monthly meeting on July 1 confirmed the decision of the Police Committee instructing the Town Clerk to take the necessary steps towards publishing notice of the intention to make an order bringing chemists and druggists under the provisions of the Shops Act, and fixing Wednesday, from 1.30 p.m., as the closing day, with the alternative of Saturday for the weekly half-holiday. The notices were accordingly issued on Tuesday.

Mr. Jas. Tate, Ph.C., Royal Avenue, and Mr. Jas. Guiler, Ph.C., Secretary of the Ulster Drug Trade Association, waited on the Police Committee of Belfast Corporation on June 28, and asked if persons in the drug-business who hold wine-licences will be entitled to the same exemptions as are granted under the Shops Act to premises used for the sale by retail of intoxicating liquors. The Committee having discussed the question with the deputation, the Town Clerk was instructed to communicate with the Under-Secretary, Dublin Castle, on the question.

## SCOTTISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

### Aberdeen.

Mr. John George has purchased the chemist's business formerly carried on by the late Mr. Malcolm in Urquhart Road.

A petition signed by the proprietors of over two-thirds of the shops in the city has been lodged with the Town Council asking exemption from the Shops Act, Section 4 (6), so that the Act may be made to prohibit the sale of medicines, medical and surgical appliances on Wednesdays from 1 p.m. The Town Council have advertised their intention of granting the request of the petitioners and ask that any objections be lodged in writing prior to July 31, 1912.

### Edinburgh.

Arrangements for the British Pharmaceutical Conference are complete, and the Secretary, Mr. T. Stephenson, reports that the tickets are going rapidly.

For stealing 2*l.* from a chemist's shop in Marchmont Road, Alfred Hennigan (19) was sent to prison for twenty days. Hennigan got employment with the chemist as messenger, and commenced his duties on June 17. Next day his employer sent him across the street with 2*l.* to get change at the post-office. The lad disappeared, but a week afterwards gave himself up in England.

### Glasgow.

Locums are now in great demand, many chemists having gone on holiday.

There is an expectation that by July 15 the Scottish section of the Shop Assistants' Union will number 10,000. Most chemists' assistants are joining the Chemists' Friendly Society.

In order to meet the requirements of the public with regard to the dispensing of urgent prescriptions during the half-holiday, Greenock chemists have agreed to take turn about in attendance at the Infirmary Dispensary. They are to give their services gratis, and the money charged for the medicine is to be given to the funds of the Infirmary.

## FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

M. EUGÈNE CHASSAING, head of the well-known firm of manufacturing pharmacists, and officer of the Legion of Honour, died on July 2 at his residence in the Avenue Hoche, Paris, aged sixty-nine.

M. PRADIER, the well-known artist, who died at Asnières last week at the age of seventy-seven, was a direct descendant of D'Arcet, the chemist, and Rouelle, the Demosticator at the College of Pharmacy in pre-Revolutionary days.

THE DENTAL STUDENTS, who had (like the pharmacy students and medical students) quitted the General Students' Association to form a body of their own, recently decided to return to their old connection. They were received with open arms, a banquet being held on June 25 to celebrate the event. The chair was taken by M. Bayet, Director of Higher Education, whose name is familiar to pharmacists as a member of the Codex Revision Committee.

THE "A.G." (Students' General Association), where the Prince of Wales was an honoured guest on Monday, is not to be confounded with the "A.A." or Amical Association of Pharmacy Students. There was a time when all classes of Parisian students (law, medicine, pharmacy, etc.) were grouped in the "A.G." But it was felt that the law students "ruled the roost," as they are the most wealthy class; and in the days when the three years' military service was limited to twelve months for all students, most young fellows of family or means preferred reading law to life in barracks. Thus the pharmacy students founded a "corporative" association of their own; the medical and other students followed suit; and a "split" took place, which has never been entirely done away with.

PHARMACY AT THE "FRENCH ASSOCIATION."—M. Gustave Massol has been nominated President of the Sub-section of Pharmaceutical Science which has been formed in connection with the meeting of the French Association (A.F.A.S.) to be held at Nîmes during the first week of August. The eminent Director of the Montpellier Superior School of Pharmacy has issued a cordial invitation to all scientific pharmacists and pharmaceutical scientists to be present and to contribute papers, with the object of making the Sub-section as interesting and successful as the similar gathering organised at Dijon last summer. The committee formed to second his efforts includes some well-known names—Professors Perrot (of Paris), and Domergue (of Marseilles), M. Jaboin (Paris), M. Ch. Buchet (Pharmacie Centrale, Paris), and M. C. Poullenc (of Poullenc frères); while M. Gamel, pharmacist, of Nîmes, acts as secretary.

PARIS SOCIETY OF PHARMACY.—At the June meeting of the Society Professor Bourquelot presented, in collaboration with M. Bridel, an interesting communication on glucosidal synthesis by means of emulsin. They had observed, when emulsin is added to an equimolecular mixture of glucose and salicin dissolved in alcohol, the dextrorotatory solution showed a variation in rotation towards the left, the value of the final rotation being exactly equivalent to that given when salicin is hydrolysed by means of emulsin. It therefore appeared probable that the synthesis of salicin had taken place, but a study of the products of the reaction showed that a non-reducing levogyroscopic glucoside ( $[\alpha]_D -30.02^\circ$ ), hydrolysable by emulsin in aqueous solution, had been formed. This glucoside (amorphous so far as can at present be stated) may possibly be identified with the ethyl glucoside  $\beta$  of Königs and Knorr, which, also, has not yet been obtained in a crystalline condition. About 75 per cent. of the glucose is affected by the change. An analogous reaction occurs in methyl alcohol solution.

ROMANCE OF A LETTER.—Last week a Montmartre pharmacy was the scene of the *dénouement* of a detective tale not unworthy of the "Sherlock Holmes" series. A Paris merchant having complained to the postal authorities that he had reasons to believe that several letters mailed from New York by the s.s. *Kaiser Wilhelm der Grosse* had failed to reach him, an investigation was made, and Roussel, a bookmaker, who had taken his passage to Cherbourg on the German liner was "tracked" by detectives from the Norman seaport to the Parisian pharmacist's. Here they arrested their man, searched him, and found nothing. Luckily, they did not at once release Roussel. During these moments of hesitation somebody noticed a great coat in a corner. The missing letters were in the pocket of this overcoat, and to "mak' siccar," the chemist and his assistants were all marched off to the police-station with their customer. The members of the pharmacy staff were, of course, discharged "without a stain upon their character" as soon as they had been

officially questioned. But the bookmaker, in spite of his protests that the envelopes had been handed to him outside a post-office by a man he did not know, is still in durance vile.

PROFESSOR GRIMBERT, who was elected to the vacant fauteuil in the Pharmacy Section of the Academy of Medicine on June 24, is a familiar figure to most Parisian chemists. For twenty years he has been connected with the School of Pharmacy, first as assistant professor, and latterly as titular professor of biological chemistry, a chair which he has occupied since its creation in 1907. He has been a hospital pharmacist since his student days, working his way up from a simple "interne" to the post of Director of the Central Hospital Pharmacy, which is the "bâton de maréchal" of this particular branch. Five times he has been a "laureate," or prizeman, of the Paris School, twice at the Academy of Sciences, once at the Faculty, and once at the Academy of Medicine. He is a member of the Codex Revision Committee, of the Paris Society of Pharmacy, and of the Society of Biology. Although he is now fifty-three and a great deal greyer and stouter than when I first made his cheery acquaintance, his eye is not dim, nor his natural energy abated.

## SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Associations of Chemists in British South Africa, as well as to other chemists in business there.

### Transvaal.

A TENNIS TOURNAMENT has been arranged by the Transvaal Chemists' Athletic Club, the trophy being a magnificent cup presented by Messrs. Evans Sons Lescher & Webb, Ltd.

SCARLET FEVER is still prevalent in Johannesburg, and the municipal authorities have issued special instructions to check its spread. Measles is another disease that is going the rounds of the Rand.

THE QUALIFYING EXAMINATION of the Board of Pharmacy, held at Johannesburg on May 21, 22, and 23, was attended by four candidates, of whom three failed and one passed—namely, Mr. Gunn, assistant with Mr. J. H. Dinwoodie, F.C.S. It is expected that at the next examination, to be held in December, there will be a larger number of candidates. The examination is a thorough one and not of the type that anyone who has failed at home will slip through in Johannesburg.

### Natal Pharmaceutical Society.

The annual general meeting of this Society was held at the rooms of Mr. G. Stuart Jones on May 23, at 8.15 P.M. There were present Messrs. Elgie (President), Dunkerton, Firth, Jones, Fyvie, Robinson, M. W. Stranack, and Anderson. A vote of condolence with Mr. Elgie on the loss of his child was passed, the members upstanding.

PRESIDENTIAL ADDRESS.—In his review of the year the President said that the activity displayed by the Society in regard to the Weights and Measures Bill showed the extreme usefulness of the Society when occasion demands. Chemists in the Province have been circularised in reference to the institution of an employment register. The following officers were appointed for 1912-13: President, Mr. E. B. Dunkerton; Vice-President, Mr. Morris Stranack; Hon. Secretary and Treasurer, Mr. W. H. Goodbrand; Committee, Messrs. Jones, Anderson, Cooper, and Gale; Auditors, Messrs. Firth and Whysall.

RULES.—Mr. Elgie gave notice of motion to alter Rule 18 so as to read: "No member of the Pharmacy Board, being a Government nominee, may be President of the Society."

FELLOWS' SYRUP.—A full discussion took place in reference to the sale of Fellows' syrup by general dealers, and it was decided to ask the members of the Pharmacy Board present to write to the President of the Board to procure legal advice from the Government on the matter.

VOTES OF THANKS were accorded Mr. G. S. Jones for the use of his rooms; Mr. S. K. Elgie for the able manner in which he filled the office of President; and to Mr. W. H. Goodbrand, the Hon. Secretary.

## LEGAL REPORTS.

### TRADE LAW.

**The Small Shopkeeper.**—At Blackwood Police Court on June 23, Antonio Assirati (28), refreshment-house keeper, Aberbargoed, was fined 40s. and costs, or 4l. 12s. in all, for exposing and selling dutiable medicine without a licence on November 21, 1911. Mr. C. E. Fitzroy, London, who prosecuted on behalf of the Excise authorities, said the defendant sold a medicine called "Kapall: stop that cough! relief at last!" Not only had the medicine no stamp, but the defendant was unlicensed. After the summons was issued, the defendant went away, and only recently returned. Defendant said he was ignorant that he required a licence. He bought the article from a traveller in the ordinary course, and it was only when the Excise officer called that he was aware he was infringing the law. He withdrew the article from sale at once.

**Travellers and Accounts.**—In the case of Lang *v.* Pearce, heard in the City of London Court by Judge Rentoul on July 2, the defence to a summons for an account of 3l. 14s. 6d. was that defendant had paid plaintiffs' traveller to whom he had given the order, but the traveller had absconded. Plaintiffs stated they put a notice on their invoices that payments must be made direct to their London office, and that the firm's printed receipt only would be recognised. They had not had the money. His Honour found for the plaintiffs, with costs, and said that the defendant must pay the money again. He thought it would be to the advantage of commerce generally if an agency were started for insuring travellers against receiving money and keeping it before they were let loose on the commercial community of the country. Those cases were increasing very rapidly.

**Shops Act, 1912.**—At the Lambeth Police Court on July 1, Henry J. Dalgleish, carrying on a general retail and wholesale stationery business in Walworth Road, was summoned for failing to comply with the provisions of Section 4 (1) of the Shops Act as regards closing the premises at 1 P.M. on one day in the week ending May 11. The defence was that in the memorandum issued by the Home Office wholesale premises as such do not fall under the Act, except as regards the hours of young persons. In reply to the Magistrate (Mr. Chester Jones), the defendant said that he is retail as well as wholesale, whereupon the Magistrate remarked that that was why the London County Council were objecting. The defendant might keep his premises open for wholesale trade day and night if he liked, but until an order is made to the contrary the defendant is bound to shut his premises for a half-holiday once a week. A fine of 5s., with 7s. costs, was imposed.—At the same time the London County Council summoned Edith Harriet Brown, who carries on a hosier's business in the district, for a similar offence, and the same fine, with costs, was imposed. Her defence was that she gave the assistant time off.

**Restraint of Trade.**—In the House of Lords on July 1, arguments were heard before the Lord Chancellor and Lords Maenaghten, Ashbourne, and Atkinson in the case The British Association of Glass-bottle Manufacturers, Ltd., *v.* Nettlefold. It was an appeal against an order of the Court of Appeal made in an action in which the appellant company were plaintiffs and the respondent was defendant, claiming 1,265l. 13s. 3d. in respect of calls made by the appellant company upon the respondent upon 9,690 shares held by the respondent in the appellant company. The action was the second brought by the appellant company against the respondent in respect of calls upon the shares. The first action was tried before Mr. Justice Hamilton, and resulted in a judgment in favour of the appellant company (*C. & D.*, July 8, 1911, index folio 41). The question raised by the appeal was whether, in the circumstances of the case, the appellants should be ordered to file a further and better affidavit of discovery in the action. In the second action, last November, the Court of Appeal decided that an order of Master Bonner refusing to compel the plaintiffs within four days to make and file a further and better affidavit of discovery, and that the trial of the action should be postponed until fourteen days after such affidavit had been filed, and an order of Mr. Justice Bucknill affirming Master Bonner's decision should both be set aside. Further, the Court ordered that the appellants should make and file a further and better affidavit of discovery; that the action should not be placed in the list for trial till fourteen days after inspection given under the affidavit, and that the costs of the appeal and of the application should be paid by the appellants. After hearing the arguments of counsel (Mr. Younger, K.C., and Mr. H. E. Wright for the appellants, and Mr. S. O. Buckmaster, K.C., for the respondents) their Lordships reserved judgment.

### High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

#### SAFETY-RAZOR PATENT.

The case of Gillette Safety Razor Co., Ltd., v. Anglo-American Trading Co., Ltd., and Bent & Parker, Ltd., came before the Court of Appeal, consisting of the Master of the Rolls and Lords Justices Farwell and Kennedy, on Wednesday, upon the appeal of the defendants from a judgment of Mr. Justice Parker, which was reported in the *C. & D.*, 1912, I., 502. Plaintiffs obtained an injunction for infringement of their patent by the manufacture and sale by Bent & Parker, Ltd., and the sale, supply, and user by the Anglo-American Co. of razors called "Duplex" razors according to the invention described in the plaintiffs' patent, dated December 30, 1902 (as subsequently amended), for improvements in or relating to safety and other razors to Mr. K. C. Gillette. Against this the defendants now appealed. Mr. Walter, K.C., and Mr. Hugh Fletcher Moulton appeared for them, and Sir Alfred Cripps, K.C., Mr. T. Terrell, K.C., Mr. Martelli, K.C., and Mr. R. H. Hodge for the respondents. Mr. Walter, K.C., and Sir A. Cripps, K.C., addressed the Court, and at the conclusion of the arguments upon the question of construction the Master of the Rolls stated that they would decide that point on Monday, and the further hearing would be adjourned till then, but counsel must then be prepared to go on with the other part of the case if need be.

#### A "DENTAL MIRROR" ACTION.

In the King's Bench Division on July 1, before Mr. Justice Pickford and a special jury, an action was brought by Mr. Adolf Lionel Burlin, described as a manufacturer of artificial teeth and an unregistered practitioner, of Burgess Street, Sheffield, against the Incorporated Society of Extractors and Adaptors of Teeth, Ltd., of Piccadilly, Manchester, Harrison E. Inglis, and Ferguson & Sons, Ridgway Gates, Bolton, as proprietors, editor, and publishers respectively of a dental journal called the "Mouth Mirror," claiming damages for alleged libel. The defence was a plea of justification. For the plaintiff Mr. Dunbar appeared, and for the defendants Mr. Shearman, K.C., and Mr. Grimwood Mears.

Mr. Dunbar said plaintiff was a naturalised British subject, and he had carried on a business at Sheffield from September 1910. In the "Mouth Mirror" for March 1911 the following article appeared :

#### MR. A. L. BURLIN'S LATEST.

"Those who have followed with interest the career of Mr. Burlin through many journalistic, political, and matrimonial enterprises and vicissitudes will be further interested to learn that he is now engaged, among other things, in the effort to deliver the dental profession from its financial embarrassments, and to guide us all to wealth by co-operative trading. The following advertisement from the 'British Journal of Dental Science' announces his latest: 'Messrs. Burton, Ash & Co., accountants, valuers, and financiers to the dental profession, 26 Burgess Street, Sheffield, England.—Dental practitioners wishing to join the co-operative dental dépôt movement will oblige by communicating with us at once.' We do not congratulate Mr. Burlin on his selection of a trade-name, and we do not imagine that it will be necessary for Messrs. Ash, Sons & Co. to disclaim connection with Mr. Burlin or his ventures."

Counsel said that Ash, Sons & Co. were a firm of high reputation and standing, and Burton, Ash & Co. were a firm of financial agents and debt-collectors for dentists, with which had been connected a man named Callendar, who had since been made bankrupt. The plaintiff complained of the article because he had never been associated with the financial operations of Burton, Ash & Co., and he had only been connected with Mr. Callendar in the capacity of a dental assistant. Plaintiff took on premises at Sheffield that had been used by Mr. Callendar and carried on a business on his own account as the Sheffield Dental Supply Co. The advertisement from the "British Journal of Dental Science," quoted in the alleged libel, was (said counsel) inserted by Mr. Callendar, and plaintiff went to the proprietors of that paper and told them that Burton, Ash & Co. had closed down, and he was carrying

on a business at the address given. This was in September 1910, and the defendants had republished the matter six months afterwards. The plaintiff had been connected with the dental profession practically all his life, and he had been trying to secure some means of recognition for unregistered dental practitioners. He understood the defendants were themselves unregistered dentists. The alleged libels (counsel suggested) were the outcome of plaintiff's activities, and there was a conspiracy among the defendants to crush him out of the business. The plaintiff complained that the libel held him up to scorn, and made it appear that he was connected with Burton, Ash & Co. and Mr. Callendar.

The plaintiff gave evidence to bear out his counsel's statement, and after he was cross-examined and other evidence had been called to conclude plaintiff's case, Mr. Shearman submitted that he could not recover damages as he was an adventurer, and the action was an impudent and ridiculous one. Evidence was then called to prove the allegations against the plaintiff. After other evidence the jury returned a verdict for the defendants, and judgment was entered in their favour accordingly, with costs.

### Sale of Food and Drugs Acts.

#### GREGORY'S POWDER.

At Aylesbury on June 29, before the County Bench, Mr. Horace Ridley, chemist and druggist, Market Place, Princes Risborough, Bucks, was summoned under Section 6 of the 1875 Act for selling Gregory's powder which the county analyst had certified to contain 25 to 26 per cent. of magnesium carbonate. The purchase of the powder was proved, and the analyst's certificate put in. Mr. Cyril H. Kirby (Messrs. Neve, Beck & Kirby, solicitors, London) appeared for the defendant, and called him to prove that he had made the powder strictly according to the British Pharmacopoeia, part of it six to seven months ago. Mr. Ridley also stated that the powder absorbs moisture and carbonic-acid gas from the air, and this alone accounted for the presence of carbonate in his powder. Mr. E. T. Palmer, chemist, Aylesbury, confirmed this evidence as to the liability of the powder to carbonate. Mr. Kirby, in addressing the Magistrates, said that Mr. Ridley had been in business for forty years, and this was the first complaint that had been lodged against him. Mr. Kirby submitted further the High Court decision in Hudson *v.* Bridge as to change in B.P. articles after they are made, so that there is no standard for the sale of such articles, of which, he contended, Gregory's powder is one. The Magistrates dismissed the summons.

[A tragic sequel to this case is reported elsewhere in this issue. Mr. Ridley had a seizure in Mr. Palmer's pharmacy, and died almost immediately.]

#### SALICYLIC ACID IN BEVERAGES.

At Pontypridd Police Court on July 3, six cases of the use of salicylic acid as a preservative were down for hearing at the instance of the County Council. The substances for which summonses had been taken out were temperance cordials, including ginger brandy, port wine, elderberry wine, &c. In the first two cases, with 5 and 6 grains per pint respectively, no scientific evidence was called, and the Bench announced that on the scientific evidence of the prosecution, not contradicted by the defence, they had decided that there must be a conviction. The first case that was fought with scientific evidence was one in which Messrs. Bracchi Bros., of Pontypridd and elsewhere, were summoned for selling ginger brandy containing 5 grains of salicylic acid per pint. Mr. Nicholas appeared for the prosecution, and Mr. Ivor Bowen, barrister-at-law, defended. Summonses had been taken out under Section 3 and Section 6 of the 1875 Act, but Mr. Ivor Bowen submitted that the prosecution must elect to proceed under one or the other section. Although the Chairman made no actual ruling, Mr. Nicholas acceded to his suggestion, and decided to proceed under Section 3.

Dr. H. R. Kenwood, F.I.C., said that as a medical officer of health he considered that this amount of salicylic acid was dangerous to health, especially if taken by persons suffering from kidney trouble. He would like to see the use of this preservative absolutely forbidden in

food-stuffs, even if it did kill the use of these temperance drinks.

Mr. Clarence Seyler, F.I.C., public analyst for the county, agreed with Dr. Kenwood that salicylic acid might produce bad effects, and said he had personally experienced them when taking it as a drug.

Dr. Morgan, medical officer of health for the county, agreed with the previous witness, and said he had taken 15 grains a day for the last fourteen days, and it had produced gastric disturbances in him.

For the defence, Mr. E. J. Parry, B.Sc., F.I.C., was called, and said that in his capacity of consulting chemist to large firms of manufacturers of this class of beverage many millions of bottles had passed under his observation, and he had never heard of a complaint. It was a fact that, in spite of the report of the Departmental Committee of 1899-1901, and that since 1907 the Local Government Board had power to frame regulations having statutory authority, no regulations as to preservatives had been so framed. The proportion of salicylic acid present in this case was quite harmless, and its suppression meant either using other preservatives, or killing the use of these temperance drinks.

Dr. Parry-Evans said he considered the amount of salicylic acid absolutely harmless.

After consideration the Bench imposed a nominal penalty, as they concluded that the balance of medical evidence was in favour of the prosecution.

The case is to go to appeal at Quarter Sessions.

## BANKRUPTCY REPORTS.

**Re William Desmond Noble**, formerly trading as a drug-store keeper at 2 Well Street, Cable Street, E.—A sitting for the public examination of this debtor was appointed to be held on June 28, before Mr. Registrar Brougham, at the London Bankruptcy Court. Mr. G. W. Chapman, Official Receiver, reported that he was informed that the debtor had come to terms with his creditors, and an application would shortly be made for the receiving order to be rescinded. Under those circumstances he asked for a further adjournment of the public examination. His Honour appointed October 25 for that purpose.

**Re Walter Sidebottom**, 100 Abbey Street, Accrington, formerly 217 Whalley Road, Clayton-le-Moors, Chemist and Druggist.—At Blackburn Bankruptcy Court on July 3, the final examination of this debtor took place. His statement of affairs showed liabilities amounting to 821*l.* 2*s.* 2*d.* and assets to 248*l.* 5*s.* 3*d.*, leaving a deficiency of 572*l.* 16*s.* 11*d.* Debtor alleged as the cause of failure "want of capital and failure to dispose of my Clayton-le-Moors business as a going concern." In his observations, the Official Receiver stated that debtor started business in May 1909 at Clayton, taking over an old-established business for 265*l.*, of which sum he had paid about 125*l.* This, the debtor explained, was the business of Mr. Joshua Wild. In 1911 he took over the shop in Abbey Street, Accrington, from Mr. Lupton for 260*l.* No proper valuation was taken. He simply inspected the stock, and came to the conclusion that it was fully worth the money. For two years previously the shop had been in the possession of Mr. Henderson, chemist. The creditors include: Walter Furness, chemist, Ansdell (secured creditor) (15*l.*); F. G. Lupton, Accrington (210*l.*); Bleasdale, Ltd., York (15*l.* 9*s.* 9*d.*); Oldfield, Pattinson & Co., Ltd., Manchester (12*l.* 6*s.*); Raines & Co. (17*l.* 19*s.*); M. J. Whittaker, druggist, Clayton-le-Moors (10*l.*); J. F. Wilkinson, Pendleton (15*l.* 18*s.*); James Woolley, Sons & Co. Ltd., Manchester (29*l.*); and Southall Bros. & Barclay, Ltd., Birmingham (9*l.* 2*s.*).

## DEED OF ARRANGEMENT.

**Merchant, George Amos**, 43 Crescent Road, Birkdale, Southport, and **George Albert Merchant**, 38 Norwood Avenue, Southport, trading as Merchant & Co. at 59 Shakespeare Street, Southport, Essence Distillers.—Trustee: T. H. Crane, 399 Lord Street, Southport, C.A. Dated, June 24; filed, June 29. Secured creditors, 612*l.*; liabilities unsecured, 1,700*l.*; estimated net assets, 2,312*l.* Separate estate of George Amos Merchant: liabilities unsecured 88*l.*, secured creditors 766*l.* Separate estate of George Albert Merchant: liabilities unsecured 270*l.* The creditors include E. Macajone, Catania (25*l.*), and C. Gueret et Cie., Paris (553*l.*).

## LIMITED COMPANIES.

### New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O. Registered Office.

**Premier Sales, Ltd. (P.C.)**.—Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on the business of commission agents, dealers in goods of all kinds, etc. The subscribers are E. Thompson and L. S. Wandell, both of Liverpool, who, with D. Rossheim, are the first directors.

**United Drug Co.**.—Particulars filed June 24, 1912, and capital \$5,000,000, in 50,000 preferred stock of \$50 and 25,000 common stock of \$100. Registered in Boston, Mass., U.S.A., on January 18, 1911. British address: Bristol House, 19 and 20 Holborn Viaduct, E.C., where C. Urquhart Fisher & Co. are authorised to accept service.

**L. R. Guest (No. 2), Ltd.**.—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturing and retail chemists and druggists, dealers in chemical products, manufacturers of and dealers in mineral waters, soaps, oils, and similar products, artificial-teeth manufacturers, opticians, etc. The first subscribers (each with one share) are T. S. Harrison, Ph.C., Goodmayes, Essex; and F. J. Lane, 52 The Broadway, Tooting, S.W., chemist.

**E. Griffiths Hughes (Karswood), Ltd. (P.C.)**.—Capital 20,000*l.*, in 1*l.* shares. Objects: To take over as a going concern the business carried on at 17 Deansgate, Manchester, as E. Griffiths Hughes (except Krüschen salts), the goodwill attaching thereto, and certain liabilities of the proprietors of that business in connection therewith, to carry on the business of chemists, druggists, drysalters, oil and colour men, etc., and to adopt an agreement with W. G. Hughes, Lucy G. Kellett, Bertha J. Hughes, Mabel B. Peatfield, J. A. Hughes, and Alice C. Martin. The first directors are W. G. Hughes (managing director), W. F. Wrigley (secretary), and H. Marland (sales manager). R.O., 68 Deansgate Arcade, Deansgate, Manchester.

**E. Griffiths Hughes (Krüschen), Ltd.**.—Capital 50,000*l.*, in 1*l.* shares. Objects: To acquire and take over as a going concern such part of the business carried on at 1-9 Gravel Lane, Salford, as "E. Griffiths Hughes" as relates to the agency, importation, manufacture, or business of Krüschen salts, and the goodwill attaching thereto and certain liabilities of the proprietors of that business in connection therewith, to carry on the business of chemists, druggists, etc., and to adopt an agreement with W. G. Hughes, Lucy G. Kellett, Bertha J. Hughes, Mabel B. Peatfield, J. A. Hughes, and Alice C. Martin. The first directors are W. G. Hughes (managing director), W. F. Wrigley (secretary), and H. Marland (sales manager). R.O., 68 Deansgate Arcade, Deansgate, Manchester.

### Company News.

**Lever Bros., Ltd.**, are increasing their capital to 20,000,000*l.* by the creation of 6,000,000 new 5 per cent. cumulative "A" preferred ordinary shares of 1*l.* each.

**Apollinaris and Johannis, Ltd.**.—The directors recommend the payment of a balance dividend of 4*½* per cent. on the ordinary shares, making, with the interim dividend already paid, 7 per cent. for the year. They also recommend placing 20,000*l.* to the reserve fund, making it 170,000*l.*, and leaving 26,301*l.* 1*s.* 5*d.* to be carried forward.

**Aerators, Ltd.**.—This company, the manufacturers of "Prana" sparklets, with an authorised share capital of 150,000*l.*, has during the past week offered to the public for subscription 53,000 6 per cent. cumulative participating preferred ordinary shares of 1*l.* each at par. From a statement made in the prospectus it appears that the net assets of the company, apart from debentures, amount to 128,525*l.*, and that the average annual profit during the past five years has been 14,723*l.*, with 17,086*l.* in 1911.

**Lorimer & Co., Ltd.**.—Mr. Percy Mason, the liquidator, has issued a summary of accounts from October 31, 1911, to May 9, 1912. This shows that, including a balance of 671*l.* 10*s.* 2*d.* and 185*l.* 8*s.* received per trading account, the receipts for the period covered amounted to 856*l.* 18*s.* 2*d.* From that amount had to be deducted 4*l.* 6*s.* 1*d.* payments under the trading account, leaving the net receipts 852*l.* 12*s.* 1*d.* The expenditure amounted to 39*l.* 17*s.* 10*d.*, including 31*l.* 8*s.* 1*d.* the remuneration of the liquidator, 2*l.* 3*s.* 4*d.* Board of Trade and Court fees, and 6*l.* 5*s.* 7*d.* incidental outlay, leaving a balance of 852*l.* 12*s.* 1*d.* in favour of the creditors. Those concerned can obtain further information on application to Mr. Percy Mason, 68 Gresham Street, London, E.C.

## BIRTHS.

**BERRIDGE.**—At 69 Clarence Avenue, Queen's Park, Northampton, on June 30, the wife of Charles Berridge, wholesale druggist, of a daughter.

**ELLIS.**—At Loscoe Road, Carrington, on June 27, the wife of D. Ellis, chemist and druggist, of a son.

**HART.**—At 82 Hampstead Road, London, N.W., on June 27, the wife of W. R. Hart, chemist and druggist, of a son.

**MARSHALL.**—At 29 Eden Crescent, Alexandra Park Avenue, Belfast, on June 29, the wife of Hugh Marshall, of Hugh Marshall & Co., Ltd., York Road and Falls Road, of a son.

**MAYCOCK.**—At the Pharmacy, Market Square, Ampthill, Bedfordshire, on June 29, the wife of E. Maycock, chemist and druggist, of a daughter.

## MARRIAGES.

**DUNTHORNE—WELLER.**—At Stratton St. Mary's Church, on June 29, by the Rev. D. A. Stewart, Alan Dunthorpe to Janet Grace, elder daughter of Mr. James M. Weller, chemist and druggist, both of Long Stratton, Norfolk.

**LING—PADDY.**—At St. John's Church, Hankow, China, on June 5, by the Rev. A. M. Sherman, Herbert James Ling, chemist and druggist, Hankow, to Kathleen Mary, youngest daughter of the late Mr. John Paddy, of Edgbaston, Birmingham.

**McHATTIE—McKAY.**—At 2 Carney Street, Macduff, by the Rev. W. M. Milne, M.A., on June 26, James Reith McHattie, chemist and druggist, Aberdeen, to Mary Ritchie, fourth daughter of Mr. John McKay.

**WHITE—MACGOWAN.**—At St. Margaret's Church, Westminster, London, S.W., on July 3, D. Woolmer White, younger son of Mr. Woolmer White, J.P., C.C., Southleigh Park, near Havant, head of the Timothy White Co., Ltd., chemists, Portsmouth, to Isabelle, younger daughter of Mr. J. G. MacGowan, late of Paris.

## DEATHS.

**BANAJI.**—At Bombay, on June 14, Muncherji Pestonji Banaji, of Messrs. Burroughs Wellcome & Co. and Messrs. Burgoyne, Burbidges & Co.

**MITCHELL.**—At London, Ontario, on June 3, Mr. B. A. Mitchell, aged eighty-nine. Mr. Mitchell, who was probably the oldest chemist in Ontario, was born at Kingsclere, Hampshire, and apprenticed for five years. When out of his time he acquired a liking for the sea, and went on a voyage to Sierra Leone, where an attack of fever necessitated a return to England. When recovered he went to Canada, joining a brother in Simcoe, Ont., and thence going to London, Ont., where he established a successful wholesale business.

**MURRELL.**—At 17 Welbeck Street, Cavendish Square, London, W., on June 28, Dr. William Murrell, F.R.C.P., aged fifty-eight. Dr. Murrell was a senior physician of Westminster Hospital and well known as a medical practitioner and writer. He was the son of a barrister, and studied medicine at University College, qualifying as L.S.A. in 1874, and as M.R.C.S. and L.R.C.P. a year later, while in 1874 he became M.R.C.P. at the early age of twenty-four, and thus entered definitely upon his career as a consultant. In 1883 he obtained the Fellowship of the Royal College of Physicians. As a practitioner he specialised in heart and lung troubles, particularly angina pectoris and bronchitis, and as a writer his "Manual of Pharmacology and Therapeutics" and "What to Do in Cases in Poisoning" are the best known works, both being characterised by a directness of diction and commonsense views which are uncommon in medical works. Besides these works, he had written or edited many other publications, and had examined in *materia medica* for the

Universities of Aberdeen, Edinburgh, and Glasgow, as well as the Royal College of Physicians and the Civil Service Commission.

**RIDLEY.**—At Aylesbury, Bucks, on June 29, Mr. Horace Ridley, chemist and druggist and dental surgeon, Market Square, Princes Risborough, Bucks, aged seventy-eight. Mr. Ridley was born at Bury St. Edmunds, and after his apprenticeship, was in several pharmacies in London as an assistant, when he purchased a business in Lincoln. He became proprietor of the Risborough business in 1872, which he carried on until his death. During the whole time Mr. Ridley never had a day in bed, nor was he away from business a whole week. On Saturday last he attended Aylesbury on a summons, which was dismissed. Afterwards, not feeling well, he entered a brother-pharmacist's shop, where he sat down and almost immediately expired, thus, although away from home, dying in a chemist's shop. An inquest was held, and a verdict of death from natural causes due to heart-failure was recorded. The funeral took place on Wednesday, July 3, in Princes Risborough churchyard, amid tokens of deepest respect from all. For over forty years he was a manager of the British Schools, for many years honorary secretary of the Rothschild Institute, and he was always interested in the welfare of the town, so that his place will not easily be filled. As a pharmacist of the old school he was an excellent trainer of youth, and several former apprentices are now upon the medical and pharmaceutical registers. Mr. Ridley was twice married, and leaves a widow, two daughters, and one son.

**THOMPSON.**—At the residence of his son, Mr. Charles Thompson, Ph.C., 607 Stratford Road, Sparkhill, Birmingham, on June 27, Mr. Michael Thompson, chemist and druggist, aged eighty-six. Mr. Thompson was born on February 21, 1827, and on his fifteenth birthday was apprenticed to Mr. T. Iliffe, Nuneaton, with whom he remained until the completion of his twentieth year. He came to London early in 1847 and was an assistant for some time; then was in business on his own account in Bishopsgate Street until 1851, when he went to Bedworth, Nuneaton, and built a house and shop in Market Street, opening the pharmacy in 1852 and carrying it on until 1889, when he retired. He had since spent his time partly at Sutton Coldfield and partly at Nuneaton.

## PERSONALITIES.

Notes for this section sent to the Editor should be authenticated and must not be in the nature of advertisements.

**SIR OLIVER LODGE, F.R.S.**, is to deliver the Becquerel Memorial Lecture to the Chemical Society on October 17.

**MR. GEO. SCHACHNA,** manufacturers' agent, left London by the R.M.S.S. *Balmoral Castle* on Saturday, July 6, for Cape Town.

**MR. W. B. MASON** has retired from the chairmanship of the directors of Taylor & Co., Ltd., cash chemists, Leeds and London, which is now occupied by Mr. J. H. Armitage, of Messrs. Armitage & Speight, solicitors, 5 Greek Street, Leeds.

**MR. MARSHALL FREEMAN**, in his contest against Colonel J. E. B. Seely, Secretary of State for War, increased the Unionist vote by 1,892 and decreased the Liberal vote by 941, with the result that Colonel Seely was returned by a majority of 1,211, or 2,833 votes fewer than in December 1910.

**MR. C. N. SEEDHOUSE**, only son of Mr. W. Seedhouse, chemist and druggist, Newmarket, won the quarter-mile flat race at the recent championship meeting of the London Athletic Association. He is one of the runners representing the United Kingdom in the Olympic Games at Stockholm.

**MR. REGINALD FURNESS**, eldest son of Mr. W. Furness, chemist, Ansdell, Lytham, has graduated as a Bachelor of Science of Manchester University with first-class honours. He also secured the Mercer scholarship and the Le Blanc medal, and has been appointed private assistant to Professor Perkin.

## BUSINESS CHANGES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

THE branch of Boots, Ltd., at High Street, Ashford, Kent, is now open.

MR. FROST, chemist, Romsey, Hants, intends opening a pharmacy at Portswood, Southampton.

MR. THOMAS CRICHTON, chemist and druggist, has taken over the Central Pharmacy, 117 High Street, Dunfermline.

The long-talked-of rumour of Boots, Ltd., opening a branch at Woolston, Southampton, is about to be materialised.

MR. C. T. STEEL, chemist and druggist, Bitterne, Southampton, will shortly open a branch at Woolston, premises having already been acquired.

THE HECKMONDWIKE (YORKS) CO-OPERATIVE SOCIETY have set apart a portion of their new business premises as a drug department and dispensary.

MESSRS. SAMUEL DEACON & Co., advertising agents and contractors, have removed from 154 Leadenhall Street, London, E.C., to No. 7 in the same street, owing to their premises having been acquired by a large insurance company. The firm was established in 1812, and for fifty-seven years of their existence had been at No. 154.

## TRADE NOTES.

MESSRS. BURGOYNE, BURBIDGES & Co.'s premises in Coleman Street, E.C., and East Ham, will be closed on Saturday, July 6, on the occasion of the annual excursion of their employés.

NEAVE'S FOOD.—Messrs. Josiah R. Neave & Co., Fordbridge, announce that many of the principal chemists and stores have advanced their prices for Neave's Food to 9d. for the 1s. and 1s. 10½d. for the 2s. 6d. tin, and they suggest that these should be the minimum prices.

ESPERANTO is now being employed by Messrs. Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C. M. Henri Farman comments on this fact in a letter to one of the London daily papers. He states that a "tabloid" first-aid case and a knowledge of esperanto are necessary adjuncts to aviators.

PURDUE'S FLUID SULPHUR has been put upon the market by Purdue, Ltd., 1, 3 and 5 Bermondsey Street, S.E., and is to retail at 2s. 9d. per bottle. It is designed for preparing sulphur-baths to be used in the treatment of gout, rheumatism, lumbago, sciatica, and skin-complaints. It is being widely advertised to the public.

THE C.P. MARKING-INK CABINET, introduced by Mr. Alfred Bond Hickisson, 75 Southgate Road, London, N. (who is well known as the manufacturer of John Bond's "Crystal Palace" marking-ink), is a dainty novelty, and a remarkably cheap line. It is a neat box containing a bottle of "Non-Heat" marking-ink with stretcher and pen, and costs retailers 5s. per dozen.

"AIRONAL," LTD., 53 Victoria Street, London, S.W., are the manufacturers of a hair-restorer which is receiving extensive publicity through the public Press. They announce elsewhere in this issue a profit-sharing scheme for retailers of the preparation, and call special attention to the fact that mail-order business will be given equally to the dealers nearest to the persons writing to them.

RAJAH SHOWCARD.—Rajar, Ltd., Mobberley, and 8A Red Lion Square, London, W.C., have issued a new showcard for the Rajah films and papers. This is of a rather unusual character, the motif being an Indian rajah's head and shoulders, with a display of jewels, the colouring being in quiet tones on a brown ground. The company have other cards as well, and offer to send a selection to any photographic chemist who applies.

STANDARD LINES.—The Standard Tablet and Pill Co., Ltd., Hove, as intimated last week, issue a series of show-

cards to advertise their products, and they apply the term "Silent Salesmen" to cartons intended for counter-displays. The circular is smartly written, and refers also to Fleurilised Wax and Velvidium Jelly, two new lines which sell well.

CITODA.—This is the name of an aerated water, embodying a new idea, which is being issued by Messrs. Jewsbury & Brown, Ardwick Green, Manchester. The new water is the outcome of a desire to combine the advantages of sodium citrate in producing a fine flocculent curd with the casein of milk and the alkaline properties of sodium bicarbonate, and after some experimental work the formula was finally fixed at sodium citrate 5 grains, sodium bicarbonate 5 grains in aerated water 10 oz. This, under the name of Citoda, is now being ordered by medical men as a valuable adjunct to dietetic treatment and for maintaining the alkalinity of the blood. We have had an opportunity of testing Citoda, and find it of a very pleasant taste, which fact alone should ensure its ready adoption as a diluent for milk administered to children and invalids, and for use as a beverage. We congratulate the manufacturers upon the handsome manner in which they turn out "Citoda." The syphon is rose-tinted, silver-topped, and has a pretty appearance on sideboard and table.

AUTOFLOW DEVELOPING-DISH.—Messrs. Griffins, Kingsway, London, W.C., recently introduced a novelty in photographing developing-dishes, which we have this week had an opportunity of testing. The dish is fitted with a well at one end, so that the developer can be retained when the dish is stood up on its end. There are inside two strips of xylonite, the purpose of which is to facilitate the introduction of the plate and to keep it in a position inclined forward when the dish is on end. When, however, the dish is placed in the horizontal position the plate falls down flat, and is at once covered by the developer, which automatically flows evenly over the surface. If it is desired to examine the plate during the process of development, all that one has to do is to tilt the dish on end when the developer returns to the well, and the plate is presented in a manner which makes it easy to withdraw it. The chief advantage is the ease with which the plate can be taken out of the dish without soiling the fingers, and with the minimum of risk of injuring the film. For autochrome work the dishes are particularly useful, but the price is so reasonable and the advantages so apparent that they can be employed for general work. The price in *papier maché* is 10d. and in xylonite 1s. 3d. for  $\frac{1}{4}$ -plate size. The  $\frac{1}{2}$ -plate size is in *papier maché* at 1s. 4d.

## WILLS PROVEN.

MR. THOMAS TAYLOR WADE, chemist and druggist, 48 Wolseley Road, Bishopston, Bristol, who died on April 4, left estate valued at 197l. 1s. 3d. gross.

COL. FRANCIS JOSEPH LAMBKIN, R.A.M.C., Bloemfontein, South Africa, who died on March 8, left personal estate in the United Kingdom valued at 553l. 14s. 8d.

MR. ALEXANDER FINLAY, chemist and druggist, Findochty, Rathven, who died on May 10, left personal estate in the United Kingdom valued at 840l., of which 416l. is in Scotland.

MR. JOHN GERRIE, chemist and druggist, 80 Whitehall Road and Rosemount Place, Aberdeen, who died on March 16, left personal estate in the United Kingdom valued at 2,175l., of which 1,007l. is in Scotland.

MR. JOHN BURNETT KINSLAGH, Ph.C., proprietor of the Medical Hall, Grafton Street, Dublin, who died on April 16, has left estate valued for probate at 3,741l. Five bequests of 100l. each are left to Church and charitable purposes, and the residue to George Goodfellow.

DR. E. J. RUSSELL, Goldsmiths' Company Assistant for Soil Investigations, has been appointed Director of the Rothamsted Experimental Station in succession to Mr. A. D. Hall, F.R.S.

LIEUTENANT-COLONEL CLIFFORD PROBYN, J.P., has been elected by the London County Council as one of their representatives on the governing body of the Burlington School for Girls and also of Tenison's School.

## National Health Insurance.

### PROVISIONAL INSURANCE COMMITTEES.

The following are the names and addresses of pharmacists who have been appointed by the Commissioners (England) as members of Provisional Insurance Committees for the counties or county boroughs named :

#### *Counties.*

Bedfordshire—J. H. Webb, Rowsley, Cardiff Road, Luton.  
Berkshire—H. R. Metcalf, Portelect, Newbury.  
Buckinghamshire—E. T. Palmer, Aylesbury.  
Cambridgeshire—E. S. Peck, Cambridge.  
Cheshire—A. H. Burgess, Altringham.  
Cornwall—H. H. Cannon, 22 Market Place, Penzance.  
Cumberland—T. W. Townley, Market Place, Keswick.  
Derbyshire—C. W. Ridyard, Codnor, Derbyshire.  
Devon—J. Taylor, 15 Lucius Street, Torquay.  
Dorset—R. H. Groves, Blandford, Dorset.  
Durham—A. Harburn, Bishop Auckland.  
Essex—E. A. Holloway, 140 Broadway, Southend-on-Sea.  
Gloucestershire—W. H. Hill, Cheltenham.  
Hants—A. E. Chaston, 45 High Street, Winchester.  
Herefordshire—R. B. Sandiland, Leominster.  
Herts—R. Bennion, 76 St. Albans Road, Watford.  
Huntingdonshire—H. S. Turner, St. Ives, Hunts.  
Isle of Ely—W. Lincoln, High Street, Ely.  
Isle of Wight—E. W. Pollard, 168 High Street, Ryde.  
Kent—J. H. Cuff, 37 Wear Bay Crescent, Folkestone.  
Lancashire—A. Peake, Earlestown, Newton-le-Willows.  
Leicestershire—K. Nixon, 15 Castle Street, Hinckley.  
Lincolnshire (Holland)—E. W. Bell, Spalding.  
Lincolnshire (Kesteven)—J. S. Prior, Stamford.  
Lincolnshire (Lindsey)—F. W. Dennis, Louth.  
London—Edmund White, Hatton Garden, E.C.  
Middlesex—C. J. Palmer, 20 King Street, Twickenham.  
Norfolk—B. G. W. Hoare, 36 Church Street, Cromer.  
Northamptonshire—J. R. Moore, Desborough House, Desborough, Market Harborough.  
Northumberland—F. Schofield, Morpeth, Northumberland.  
Nottinghamshire—A. H. Bell, 32 Westgate, Mansfield.  
Oxfordshire—A. E. Fox, 23 Parsons Street, Banbury.  
Rutlandshire—C. Bayley, High Street, Uppingham.  
Shropshire—W. Gowen Cross, 70 Mardol, Shrewsbury.  
Soke of Peterborough—J. G. Sturton, Peterborough.  
Somerset—J. Cooper, 4 Boulevard, Weston-super-Mare.  
Staffordshire—J. Averill, 10 Market Square, Stafford.  
Suffolk, E.—F. Dawson Jeacock, Lowestoft.  
Suffolk, W.—O. A. Clark, Bury St. Edmunds.  
Surrey—E. T. Neathercoat, Church Street, Weybridge.  
Sussex, E.—W. H. Dixon, 51 High Street, East Grinstead.  
Sussex, W.—S. Bastow, 9 North Street, Chichester.  
Warwick—C. Davies, Crafnant, Elm Road, Lillington, Leamington Spa.

#### *County Boroughs.*

Barrow—F. J. Sansom, 75 Duke Street, Barrow-in-Furness.  
Bath—W. H. Hallett, 10 Stall Street, Bath.  
Birkenhead—W. A. Wynne, Rock Ferry.  
Birmingham—F. Barlow, Birmingham.  
Blackburn—R. Lord Gifford, Blackburn.  
Blackpool—D. J. Bailey, Lytham Road, Blackpool.  
Bolton—W. R. Blain, 25 Market Street, Bolton.  
Bootle—H. Wyatt, 223 Stanley Road, Bootle.  
Bournemouth—F. E. Bilson, Bournemouth.  
Bradford—H. W. Gregory, Bradford.  
Brighton—W. H. Gibson, 122 King's Road, Brighton.  
Bristol—E. F. Young, 67 Wells Road, Bristol.  
Burnley—J. Brown, 7 Manchester Road, Burnley.  
Burton—A. B. Norris, Burton-on-Trent.  
Bury—J. Meadowcroft, 8 Rock Street, Bury, Lancs.  
Canterbury—C. Bing, 41 St. George's Street, Canterbury.  
Chester—W. F. J. Shepheard, Chester.  
Coventry—C. H. Welton, 13 High Street, Coventry.  
Croydon—C. Dickinson, 119 South End, Croydon.  
Derby—W. Elmitt, 193 Osmaston Road, Derby.  
Devonport—A. J. Ancliffe, Stoke, Devonport.  
Dudley—P. G. Richardson, 222 Market Place, Dudley.  
Eastbourne—G. A. Harmer, Eastbourne.  
Exeter—D. Reid, 2 Queen Street, Exeter.  
Gateshead—John Manners, 104 High Street, Gateshead.  
Gloucester—Freshfield Reynolds, Gloucester.  
Great Grimsby—H. W. Colley, Grimsby.

Great Yarmouth—A. E. Richmond, Great Yarmouth.  
Halifax—J. W. Tiffany, Barum Top, Halifax.  
Hastings—C. A. Tharle, 22 Robertson Street, Hastings.  
Huddersfield—R. C. Walshaw, Huddersfield.  
Ipswich—W. H. Stones, 21 Tacket Street, Ipswich.  
Kingston-upon-Hull—A. Richardson, Hull.  
Leeds—F. P. Sargeant, 29 Clarendon Road, Leeds.  
Leicester—W. T. Hind, Queen's Road, Leicester.  
Lincoln—W. E. Hill, 233 High Street, Lincoln.  
Liverpool—G. V. C. Last, 157a Lodge Lane, Liverpool.  
Manchester—H. Kemp, Chorlton-cum-Hardy.  
Middlesbrough—W. R. Brackenbury, Middlesbrough.  
Newcastle-on-Tyne—R. Wright, Newcastle.  
Northampton—F. Ashford, Far Cotton.  
Norwich—P. Robinson, 13 Oxford Hill, Norwich.  
Nottingham—F. R. Sergeant, Market Place, Nottingham.  
Oldham—J. Lees, 110 Lees Road, Oldham.  
Oxford—H. C. Goodall, 108 High Street, Oxford.  
Plymouth—R. F. Roper, 34 Tavistock Road, Plymouth.  
Portsmouth—W. A. Bell, Southsea.  
Preston—H. S. Freeman, 47 London Road, Preston.  
Reading—F. W. Vasey, 83 Oxford Road, Reading.  
Rochdale—W. Highley, 54 Drake Street, Rochdale.  
Rotherham—J. H. W. R. Turner, Rotherham.  
St. Helens—John Glover, 14 Ormskirk Street, St. Helens.  
Salford—J. W. Gill, 567 Liverpool Street, Pendleton.  
Sheffield—G. T. W. Newsholme, 27 High Street, Sheffield.  
Smethwick—H. M. Tranmer, 42 High Street, Smethwick.  
Southampton—W. Bates, 50 Oxford Street, Southampton.  
Southport—R. Cave, 52 Neville Street, Southport.  
South Shields—B. Williamson, South Shields.  
Stockport—W. P. Orrell, Edgeley, Stockport.  
Stoke—Edmund Jones, Miles Bank, Hanley.  
Sunderland—R. H. Bell, 27 Thorntown Place, Sunderland.  
Tynemouth—J. Fawcett Hogg, North Shields.  
Walsall—E. M. Elliott, 42 Park Street, Walsall.  
Warrington—J. S. Hill, 1 Academy Street, Warrington.  
West Bromwich—C. W. K. Bourne, West Bromwich.  
West Ham—H. Mitchell, Forest Gate.  
West Hartlepool—R. B. Ferry, West Hartlepool.  
Wigan—J. Phillips, Thornhill, Wigan.  
Wolverhampton—F. J. Gibson, Wolverhampton.  
Worcester—A. C. Coverdale, 68 Broad Street, Worcester.  
York—F. C. Hey, 4 Low Ousegate, York.

We may recall the fact that two names for each position were submitted by the Pharmaceutical Insurance Committee (England), and the choice of the above was made by the Commissioners. Originally pharmacists worked for the appointment of pharmacists on the Commission, the Advisory Committees, and the Local Committees. The first-named was not attempted officially, and now the above list completes, so far as England is concerned, the pharmaceutical aspirations.

Councillor F. A. Willcock, chemist and druggist, has been appointed by the Wolverhampton Town Council as a member on the local Provisional Insurance Committee.

Mr. P. R. Hill, Ph.C., Gorleston-on-Sea, member of the Borough Council of Great Yarmouth and Chairman of the Health Committee, has been selected by its members to serve on the local Insurance Committee.

Alderman Glyn-Jones, M.P., was chairman of a meeting held at Queen Anne's Chambers, Westminster, on June 28 in connection with the Middlesex Committee, and Mrs. Glyn-Jones was one of the two ladies elected to represent deposit contributors.

The first meeting of the Portsmouth Committee was held at the Town Hall on June 27, when the Mayor, Sir Scott Foster, was unanimously elected Chairman. In addition to the local pharmacists already on the committee (Mr. W. A. Bell and Alderman F. G. Foster), Mr. Thomas Brewis was appointed by this committee, making, with the Chairman, four members who are personally acquainted with the dispensing of medicines.

Breconshire pharmacists have petitioned the County Council to appoint a pharmacist on the County Provisional Insurance Committee for the following reasons :

That their interests in the administration of the scheme justify their desire for representation.

That representation of pharmacy has been granted on the Advisory Committees.

That the interests of insured persons would be promoted by the expert information which his presence would render available.

*Scottish Committees.*

The following are some of the chemists who have been appointed on Provisional Committees in Scotland :

Clydebank (Burgh)—Mr. Thomas Guthrie, Clydebank.  
Dumfries (County)—Mr. Andrew G. Laidlaw, Lockerbie.  
Edinburgh (Burgh)—Mr. G. H. C. Rowland, Edinburgh.  
Leith (Burgh)—Mr. William Lyon, Leith.  
Forfar (County)—Mr. John Hutton, Brechin.  
Glasgow (Burgh)—Mr. J. P. Gilmour, Glasgow.  
Zetland (County)—Mr. Arthur L. Laing, Lerwick.

Bailie John Peebles, chemist, Kirkcaldy, has been appointed by the Town Council for the Burgh of Kirkcaldy, and Bailie Raffan, chemist, Stirling, has been appointed by the Town Council for the Burgh of Stirling.

*APPROVED SOCIETIES.*

A revised edition has been issued of the list of societies approved up to July 1 by the National Health Insurance Joint Committee and by the National Health Insurance Commissioners for England, Scotland, Ireland, and Wales. The list is a long one, and shows that several large companies are forming approved societies for their employés. There are now several special societies for domestic servants, and shop-assistants' societies for Liverpool, Sheffield, and Dublin have received approval. Although the Chemists' Friendly Society is not included in the list, we have a letter from Mr. Thomas Guthrie, the Chairman, explaining that application has been made for approval, and that it is merely the congested state of business with the Commissioners that has prevented the formal approval. Mr. Guthrie expects that this will be given soon, and he adds : "Let no one rush to join, or suffer himself to be cajoled into joining, a society about which he is uncertain, from fears about the ultimate approval of that one which he considers for his purposes the best."

*THE ATTITUDE OF THE DOCTORS.*

Under the auspices of the British Medical Association a Public Medical Service scheme has been formulated recently as an alternative to the medical benefit provided by the National Insurance Act. The terms of this service were published in the supplement to the "British Medical Journal" of June 8. It provides for medical attendance and treatment for persons insured under the National Insurance Act, and for persons unable to pay ordinary medical charges who are not so insured. In accordance with this scheme medical practitioners in different parts of the country have given, or are giving, notice to vacate any medical appointments which they may hold on December 31, and they offer the Medical Service scheme as a substitute.

*CLAIMING EXEMPTION.*

In certain circumstances employed persons can claim exemption from compulsory insurance. The grounds upon which this can be done are (1) that the employed persons have a pension or private income of at least 26*l.* a year, or (2) that they are ordinarily and mainly dependent for their livelihood upon some other person. It is possible that some apprentices who are paid small salaries may desire to take advantage on the latter grounds. The employer of an exempted person in every case has to make the employer's contribution, the idea being not to place an insured person at a disadvantage as regards employment. The money thus contributed by the employer of an exempted person will be placed in a special fund, the disposal of which will be subject to regulations which have still to be made by the Commissioners. Any post-office will supply the form for claiming exemption, which after being filled in is sent to the local officer of Customs and Excise, who will issue an exemption book. The exemption application has to be renewed yearly, but after the first application a form contained in the exemption book is to be used. It is as well to observe that, although in many cases exemption may be claimed, the question should be considered as to whether the small weekly contribution is not well worth the insurance which it obtains, and whether the delay in being insured may not entail serious disadvantages later on in life, when insurance will become compulsory.

*EMPLOYERS' ARRANGEMENTS.*

Messrs. Edward Cook & Co., Ltd., soapmakers, Bow, London, E., have informed their employés of the arrangement they propose to carry out to help all employed by them to make the best possible use of the provisions of the National Insurance Act. The East London Soap-works' Aid Society, a men's sick and death benefit club, which was founded in 1877, will continue its benefits to the employés without contributions from them during the six months from July 15 to January 15, 1913. The same applies to the girls' club, more recently established. The directors will make good deficits, if any, which may occur through the cessation of employés' contributions during that period. On January 15 both organisations will be wound up. Mr. T. A. Cook, in an address to the employés on behalf of the directors, urged every insurable person to join at once some approved society, and offered his advice on the subject to any who are doubtful as to what to do. Speaking to the clerks, salaried officers, and foremen, he stated that the directors are agreed that for the first six months no changes whatever would be made in the old custom of paying salaries during sickness. When, however, the time arrives for benefits to be received under the Act, it might be that the staff would agree with the directors to some deduction in salaries during sickness commensurate with benefits received. These statements met with the approval of the meeting.

**The Shops Act, 1912.**

**W**E publish a card for exhibition by chemists who supply medicines during closing hours on half-holidays. It measures 14 in. by 8 in.; price 8*d.* for two cards, post free, from the Subscription Department of THE CHEMIST AND DRUGGIST, 42 Cannon Street, London.

The following are brief particulars of local arrangements :

**Bristol.**—The City Council has decided to proceed with the making of a closing order for chemists, etc.

**Croydon.**—The Town Council has issued an order for vendors of medicines and surgical appliances to close each Wednesday at 1 P.M.

**Dudley.**—Chemists are included in the local closing order made for Wednesdays at 1 P.M.

**Eastbourne.**—The Sanitary Committee has recommended the Town Council to issue an order suspending half-day closing for chemists during July, August, and September.

**Forfar.**—Pharmacists of Forfar, whose application for half-holiday closing is before the Town Council, have agreed among themselves to close on Thursdays at 1.30 P.M.

**Llangammarch and Llanwrtyd.**—The Brecon County Council has made an order suspending weekly half-holiday closing during the three months from June 21 last.

**Reigate.**—An order has been made for chemists to close on Wednesdays at 1 P.M.

**Selkirk** chemists and druggists have agreed to close on Thursdays at 1 P.M.

**Southampton.**—The Town Council has made an order extending the provisions of the Shops Act to vendors of medicines and surgical appliances. Wednesday (at 1 P.M.) is the closing day fixed upon.

**Tottenham.**—The Urban District Council have decided to make an order fixing Thursday as the local half-holiday for chemists, etc.

**Worthing.**—The petition for a closing order for chemists on Wednesdays at 1 P.M., with the exception of one hour, has been referred to a committee for consideration.

**CITRATE OF LIME.**—In a British Consular report on Sicily, it is stated that the annual report of the Camera Agrumaria for the season ending November 30, 1911, is in course of preparation, but is not yet published. As, however, the published exports of lemons during the year 1911 were little more than those of the previous year, while exports of citrate of lime amounted to 8,148 metric tons, or nearly 30 per cent. more than in 1910, it is reasonable to suppose that the accumulated stocks of 5,504 metric tons existing on November 30, 1910, must have been reduced. The prospects for the current year are considered to be normally good. The Bill for the definite reconstruction of the Camera Agrumaria, presented to the Italian Parliament in December 1910, has not yet come up for discussion.

## PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.

### Council-meeting.

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on July 3. Mr. Campkin was absent from the meeting owing to serious illness. The Treasurer reported that the financial position of the Society is not this month so favourable as it was at the corresponding period of last year. From the Benevolent Fund grants were made amounting to 91*l.* Mr. Currie's desire to have the names of the chief officers of the Society in a prominent place in the "Calendar" could not be acceded to by the Library Committee for fear that invidious distinctions would be made. Mr. Neathercoat made the interesting announcement that there is now a chemist on each of the Provisional Local Insurance Committees, and in some cases there are three pharmacists occupying seats on one Committee. Mr. Rowsell later on called attention to the necessity of pressing for representation on District Committees. Mr. Sargeant was somewhat pessimistic about the grant of medical benefit, but other members did not share this spirit. Among the Divisional Secretaries appointed was Mr. E. W. Pollard for the Isle of Wight, who follows his father in that position. Mr. T. Maltby Clague, Newcastle, resigns his position, which the Council much regretted. The School staff was appointed, the changes being that Mr. C. H. Warner is to be lecturer in botany and Mr. S. H. Stroud demonstrator in chemistry. The successful Bell scholars are Mr. G. F. Axon and Mr. Frank Wokes; there were ten competitors. A desultory discussion took place as to the conditions of entry for the Scholarship examinations, the case of apprentices to hospital pharmacists being especially referred to. The incidence of the Shops Act was considered by the General Purposes Committee, but it was considered desirable to wait for twelve months before taking further action. The address of congratulation to the Royal Society on the 250th anniversary of its foundation was ordered to have the Society's seal affixed.

THE Councillors present were: Mr. C. B. Allen (President), Mr. E. White (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Bilson, J. H. Cuff, W. L. Currie, F. J. Gibson, R. L. Gifford, D. Gilmour, A. Hagon, J. F. Harrington, J. Harrison, E. T. Neathercoat, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, C. Symes, T. A. White, and J. R. Young.

The minutes of the previous meeting were read and confirmed.

### ABSENT COUNCILLORS.

THE PRESIDENT said he had received an apology for absence from Mr. Newholme, who is unable to leave his business owing to changes in the staff. He then referred to the illness of Mr. Campkin, whom it appears was first taken ill at the last Council-meeting. Since then he has had to undergo a serious operation, from which, however, he appears to be making a good recovery. A letter of sympathy was ordered to be sent from the Council.

### ELECTIONS.

Nineteen members were then elected and twelve student associates. There were also restored to their previous positions in the Society 128 persons. One name was restored to the Register of Chemists and Druggists.

### FINANCE.

THE TREASURER then presented the report of the Finance Committee. The receipts of the General Fund amounted to 2,661*l.* 6*s.*, made up as follows: Penalties and costs, 100*l.* 5*s.* 8*d.*; subscriptions,

106*l.* 1*s.*; "Journal" and publications, 527*l.* 7*s.* 4*d.*; restoration fees, 1*l.* 1*s.*; registration fees, 42*l.* 14*s.*; examination fees, 1,883*l.* 17*s.*; making, with the balance from the previous month, a sum of 3,417*l.* 19*s.* 6*d.*, from which the following amounts were recommended for payment: "Journal" and publications, 694*l.* 0*s.* 11*d.*; stationery, etc., 23*l.* 12*s.* 10*d.*; current expenses, 650*l.*; salaries, etc., 373*l.* 3*s.* 8*d.*; school and examinations, 43*l.* 7*s.* 8*d.*; law charges, 32*l.* 11*s.*; house, 13*l.*; library, 2*l.* 18*s.* 6*d.*—a total of 1,832*l.* 14*s.* 7*d.* The balance on the Benevolent Fund current account was shown as 466*l.* 17*s.* (from which the amount of a printing account for 3*l.* 17*s.* 6*d.* was recommended for payment); donation account, 309*l.* 15*s.* 1*d.*; and on the Orphan Fund, 93*l.* 15*s.* 2*d.*

THE TREASURER, in moving the adoption of the report, said that the June receipts were less by 140*l.* than those of the corresponding period of last year. The payments are, however, less by 800*l.* than the receipts, so that a creditable balance remains. The subscriptions to the Benevolent Fund have fallen to half what they were last year. He further explained that the large amount shown in the donation account could not be invested at present "owing to the low price of stocks in general."

The report was adopted.

### BENEVOLENT FUND.

MR. F. J. GIBSON, Chairman of the Benevolent Fund Committee, then presented the report of that committee, which was first considered *in camera*, after which, in moving its adoption, Mr. Gibson referred to an unusual case which had been assisted of a young chemist who had had his leg amputated owing to tuberculosis of the knee-joint, which was injured from a fall due to epilepsy. Six cases were assisted, the aggregate grants amounting to 91*l.*

MR. GIFFORD said he noticed that this unfortunate chemist had had his name removed from the Register. Would it not be restored now that his address is known?

THE REGISTRAR replied that this can be done at any time, but a declaration and fee are required first.

The report was adopted.

### LIBRARY COMMITTEE.

THE report of the Library, Museum, School and House Committee was then presented by the Vice-President, who prefaced his remarks by referring to the need for re-decorating the Council-chamber. The report recommended for payment an account for 6*l.* 18*s.* for house repairs. The committee nominated Miss Dorothy J. Bartlett for the Redwood scholarship, and endorsed the recommendation of the School staff that Mr. R. A. Sharp be awarded the Hewlett exhibition. The School staff appointments were discussed, with the result that Mr. C. H. Warner was recommended for the position of lecturer in botany at a salary of 150*l.* per annum. The other appointments recommended were: Mr. C. H. Hampshire, assistant lecturer and senior demonstrator in chemistry; Mr. W. A. Storey and Mr. S. H. Stroud, demonstrators in chemistry; and Mr. H. A. Taylor, demonstrator in pharmaceutics. The committee considered the remit from the Council relative to the insertion of a list of officers of the Society on the front page of the "Calendar," and came to the conclusion that it is unnecessary to alter existing arrangements. "It would make invidious distinctions," further commented Mr. White.

MR. CURRIE said the reason put forward in the last-mentioned paragraph was rather a lame one and far from convincing.

DR. SYMES was gratified to notice the reduction in the amount of money spent on decorations. He would, however, be glad to support any recommendations of the Vice-President relative to the redecoration of the Council-chamber.

The report was adopted.

### LOCAL ASSOCIATIONS COMMITTEE.

THE report of this committee was presented by Mr. NEATHERCOAT, the Chairman of the Committee. Part of it consisted of an official report of the reception at the Holborn Restaurant in May, and it was recommended that the thanks of the Council be tendered to the staff who

helped to carry out the arrangements. The committee also recommended a certain action in regard to national health insurance administration on the advice of the National Committee on Insurance (England), but, as Mr. Neathercoat explained, this had to be modified the day after the Committee met. The result is that owing to a communication sent to the National Insurance Commissioners (England), there is now a pharmacist on each Borough and County Borough Provisional Insurance Committee nominated by the Commissioners. As a result of other efforts of the local Associations Committee there are in many cases more than one pharmacist, and in one case at least three chemists, on a Provisional Insurance Committee. Mr. Neathercoat added that he considered this one of the best pieces of organisation carried out by the Council and the National Pharmaceutical Insurance Committee (England). It has ensured that when the Provisional Committees come to deal with the question of remuneration and the formation of a panel of chemists there will be on each Committee at least one person thoroughly conversant with the subject. The report also referred to the meeting of representatives of Metropolitan Chemists' Associations, which decided to invite the British Pharmaceutical Conference to meet in London next year.

Mr. ROWSELL, in seconding the adoption of the report, congratulated chemists on the position of affairs in connection with the National Insurance Act. When the Bill was before the House of Commons chemists had no standing at all, whereas now they are represented on the Provisional Insurance Committee of each borough and county borough in England. It now remains for pharmacists to be careful to secure representation on the District Committees, which will be set up next.

Mr. HARRISON commented on the good advice given by Mr. Rowsell and on the improved position of chemists. Pharmacists must see that the position is not rendered null and void by inaction. The regulations of the Commissioners, which are anxiously being awaited, form the crux of the position.

Mr. HAGON referred to the visit to Cardiff of Mr. Woolcock and the founding of the Pharmaceutical Committee on Insurance (Wales). The Secretary, Mr. J. B. Francis, Wrexham, is one of the ablest men who could have been chosen for the position. Through his efforts practically the whole of Wales is now organised.

Mr. GILMOUR was pleased at the way England is leading in this matter, and trusted that Scotland would at least be a good second. He hoped the members would realise that one chemist is not a majority on a Provisional Committee, so that the pharmacist selected must be a strong man and be clear in his own mind as to what is desired by chemists.

Mr. SARGEANT said the committee seem to have proceeded on the assumption that there will be granted medical benefit, and that the regulations of the Commissioners will be favourable to chemists. If there is no medical benefit the position to pharmacists will be worse than now. [Mr. HARRISON: Not necessarily so.] The committee should be prepared with a counter move in case the threat of the British Medical Association is carried out.

Mr. GIFFORD gave as an illustration the action taken by the chemists at Blackburn. There the Corporation was approached in the interests of the ratepayers and asked to give representation to pharmacists on the Provisional Insurance Committee. The Corporation refused, but as a result of a protest from chemists they have agreed to receive a deputation on the subject.

The VICE-PRESIDENT referred to the Invitation Committee of the British Pharmaceutical Conference, and said that if the invitation to meet in London is accepted a working committee will be appointed.

Mr. NEATHERCOAT, replying to the discussion, endorsed the suggestion of the increased activity of the committee and of local pharmacists interested in this work. He had found the scheme of local organisation sub-committees of great assistance in the matter, and he reminded Mr. Sargeant that pharmacy is now thoroughly organised to meet any emergency, and does not require to wait for the Commissioners' regulations before proceeding.

Mr. GILMOUR was allowed to speak again, his point being that the position of pharmacists on the Provisional Committees will be of even greater importance if medical men do not act. The money in that case would be handed over to the insured person, and steps may have to be taken to prevent contracting out.

The PRESIDENT then referred to the appointment of Mr. E. White as Chairman of the Committee which is to invite the British Pharmaceutical Conference to London in 1913. He said he felt complete satisfaction in the appointments that have been made of pharmacists on the Provisional Insurance Committees in England. He hoped these would be followed by equally successful results in Scotland and Wales. Replying to Mr. Gilmour, he said that although one man is not a majority on a committee, yet an enthusiastic representative in a special subject should have great influence. The services of pharmacists are distinct from those of the medical men, and the Council has proceeded on these lines from the first. He was convinced that some benefit must accrue to the craft from the efforts that have been made on behalf of chemists.

The report was adopted.

#### DIVISIONAL SECRETARIES.

Mr. A. E. Mills was appointed Divisional Secretary for Stockport and Mr. E. W. Pollard for the Isle of Wight.

The PRESIDENT made special reference to the last-named appointment, which is made at the wish of his father, Mr. H. H. Pollard, who has retired from business and from the office of divisional secretary.

#### APPRENTICES REGISTERED.

The SECRETARY reported that he had during the month registered thirteen applicants as apprentices or students.

#### SCHOOL STAFF.

The School staff, as already mentioned, was appointed with the addition of Professor A. W. Crossley and Professor H. G. Greenish.

#### SCHOLARSHIP EXAMINATIONS.

The report was then read of the committee on the awards of the Jacob Bell and Manchester scholarships. The examination for the Jacob Bell scholarships took place on June 18, when there were ten candidates—eight in London and one each in Manchester and Edinburgh. The minimum number of marks required for the scholarship is 400, and two candidates obtained more than this number. Their names are G. F. Axon, Keswick, and Frank Wokes, Grassendale, who are recommended for the scholarship. For the Manchester scholarship there was only one candidate, and he failed to obtain the minimum number of marks.

The VICE-PRESIDENT expressed surprise that there were only ten candidates for the Jacob Bell scholarship, especially after the Council went out of the way to alter the regulations so that it should not be a schoolboy examination.

Mr. SARGEANT said it is due to the present unrest in pharmacy. No chemist can give an accurate forecast of the future when appealed to by parents who desire to apprentice their sons to the business. The consequence is that many do not enter pharmacy.

This opened a discussion in which Messrs. YOUNG, SARGEANT, SYMES, HAGON, GIFFORD, HARRISON, F. J. GIBSON, and the PRESIDENT took part. It is likely that the conditions of entry will be reconsidered. In the course of the discussion,

Dr. SYMES referred to the junior Bell scholar as the son of a representative pharmacist who appreciates fully his position.

The PRESIDENT added that at least five candidates obtained the requisite number of marks for the Jacob Bell scholarship. He also mentioned that the father of Frank Wokes was an assistant with him (the President). One of the successful candidates at the previous examination was also the son of one of his old assistants.

The report was received and adopted. Mr. R. R. Bennett, the examiner, was thanked for his services.

#### OTHER BUSINESS.

Mr. E. M. Holmes was appointed to judge the collections of plants sent in for the Herbarium Competition.

Mr. T. Maltby Clague wrote resigning his position as Divisional Secretary for Newcastle-on-Tyne. Several members of the Council referred to Mr. Clague's unfailing courtesy and constant desire to benefit his fellow-men.

The address in Latin from the Society to the Royal Society on the attainment of the 250th anniversary of its foundation was ordered to have the seal of the Society affixed. The PRESIDENT read an English translation, which showed that the address makes reference to the fact that William Allen, the first President of the Pharmaceutical Society, was a Fellow of the Royal Society, and that the Royal Society has always encouraged directly and indirectly by its influence the efforts of the Pharmaceutical Society in raising the standard of education.

Resulting out of further correspondence, permission was given to the National Union of Assistant Pharmacists to use the lecture-theatre for a meeting to consider the matter of the Chemists' Friendly Society. The Watford Pharmacists' Association was also granted the use of the Council-chamber for July 17 for the purpose of forming a County Association for Hertfordshire.

This concluded the public business.

## British Pharmaceutical Conference.

A MEETING of representatives of Associations in and around London was held at 17 Bloomsbury Square, W.C., on June 26, for the purpose of considering the possibility of extending an invitation to the British Pharmaceutical Conference to visit London in 1913. Invitations to send representatives to attend the meeting were issued to the following Associations of wholesalers and retailers in pharmacy :

The Drug Club, the Western Pharmacists of London, the London Chemists' Association, Thames Valley Pharmacists' Association, Croydon and District Pharmacists' Association, Reigate, Redhill and District Association, Watford Pharmacists' Association, Lewisham and District Association, West Ham and District Association, North Kent and District Chemists' Association, Public Dispensers' Association, Association of Women Pharmacists, Chemists' Assistants' Association, Harrow and District Association, Chemists' Defence Association, and the School of Pharmacy Past Students' Association.

There were present Mrs. Edmund White, Mrs. Freke, Miss Wardle; Messrs. Edmund White, E. T. Neathercoat, J. F. Harrington, F. A. Rogers, H. G. Greenish, H. Finne more, R. Benion, B. Middleton, R. L. Whigham, F. W. Gamble, H. Martin, T. E. Lescher, W. R. Dodd, R. Brumbridge, A. J. Chater, and W. J. Uglov Woolcock. Mr. Edmund White (Vice-President of the Pharmaceutical Society) was voted to the chair. A number of letters offering support on behalf of Associations not able to send representatives were read. After each of the delegates had expressed the willingness of the Associations which they represented to assist in entertaining the Conference, either as Associations or as individual members, it was unanimously agreed that those present should resolve themselves into a committee to extend the invitation to the Conference assembled at Edinburgh. It was arranged that the Chairman should give the formal invitation, supported by Mr. F. W. Gamble and such of the members of the committee as were present at Edinburgh, as the Chairman might think desirable. Mr. W. J. Uglov Woolcock was appointed Secretary to the committee.

### COMMUNICATIONS.

Papers on the following subjects have been promised :

Asafetida.

The estimation of relative tryptic activity.

Examination of commercial flavouring esters.

Concentrated tinctures.

The estimation of lead in chemicals.

The potency and keeping-properties of some galenicals as determined by physiological tests.

Bacterial vaccines and their preparation.

The botanical source of Japanese aconite.

The botanical source of Japanese chillies.

A note on the determination of nitrates in commercial bismuth oxycarbonates.

The standardisation of digitalis and its preparations.  
The suitability of various commercial caseins for pharmaceutical use.

A note on calcium lactate.

## ASSOCIATION AFFAIRS.

### Brief Records.

**North-East Lancashire Chemists' Association.**—A special meeting was held on Monday evening, July 1, Mr. W. H. Grimshaw (President) in the chair. The President and Messrs. J. W. Aspinall, R. L. Gifford, C. Critchley, and J. W. W. Openshaw were appointed a deputation to attend a meeting of the General Purposes Committee of the Town Council on Monday, July 22, with the object of pressing the claims of practising pharmacists to representation on the Local Insurance Committee.

**Carmarthenshire (West) Chemists' Association.**—The inaugural meeting of this Association was held on June 20. Mr. S. T. Rees (Carmarthen) was appointed Hon. Secretary. A cheque for £1. 10s. was forwarded to the Pharmaceutical Committee on Insurance (Wales), upon which Committee Mr. Walter Lloyd (Carmarthen) was appointed representative. There is a strong desire expressed to join forces with the Llanelli and East Carmarthenshire Association, so as to form one strong County Association.

**Berkshire.**—A meeting was held at the Town Hall, Reading, on June 26, under the auspices of the Reading and District Pharmacists' Association, for the purpose of organising Berkshire pharmacists, particularly in connection with the National Insurance Act. Mr. F. W. Vasey presided, and Messrs. H. Adams, B. H. Butler, J. Cooper, Craft, Dyson, F. S. Hickman, H. R. Metcalf, Knight, Tavendale, Lane, W. I. Page, J. C. Rowell, F. Tunbridge, F. F. A. Tunbridge, and G. B. Osborne (Hon. Secretary) were also present. Mr. W. J. U. Woolcock addressed the meeting, and after discussion it was decided to form a county Association for Berkshire to be in touch with the County Insurance Committee.

**S.E. London Pharmacists' Association.**—It has been decided to name this Association the South-Eastern of London Pharmacists' Association, instead of the Lewisham and District Pharmacists' Association as at first suggested. The following are the officers elected to serve for the year: President, Mr. W. C. Sayers; Vice-Presidents, Mr. W. A. Curnow and Mr. J. Milner; Hon. Treasurer, Mr. W. Ralph; Hon. Secretary, Mr. J. W. Fairweather; Committee, Messrs. J. H. Bailey, L. G. Baker, R. S. Brearley, E. Clarke, W. A. Elkington, J. Hamerton, C. Happold, F. W. Harris, J. E. Lockyer, A. B. Makepeace, H. Masson, H. G. Northwood, E. G. Price, F. T. Shepley, E. H. Tugwell, and G. Waite Wilson.

**Association of Women Pharmacists.**—The annual meeting was held at Gordon Hall, Gordon Square, London, W.C., on June 25. There were present Miss Buchanan (President), Miss Renouf, Miss Wardle, Miss Borrowman, Miss Gilliatt, Mrs. Freke, Miss Braithwaite, Miss Hughes, Miss Cole, Miss Mulliner, Miss Jacobs, Miss Wood, Miss Hayward, Miss Boyes, and others. The Secretary read the annual report, which referred to the meetings held in the last session. The Treasurer's report was also read, followed by the report of the Secretary of the Employment Bureau. The following officers were then elected: Members of Committee, Miss Mulliner and Miss Jacobs and Mrs. Freke (re-elected); Treasurer, Miss Renouf (re-elected); Vice-Presidents, Mrs. Clarke-Keer (re-elected) and Miss Wardle; Secretary, Miss Hughes. The question of the election of officers from the existing or previous committees was then discussed, and was finally adjourned till the next meeting.

**Pembroke County Pharmacists' Association.**—The annual meeting of this Association was held on June 24 at Haverfordwest. The following were present: Messrs. T. Lewis (Fishguard), B. Pugh Davies (Haverfordwest), F. D. Phillips (Haverfordwest), W. F. Johnson (Haverfordwest), A. L. Williams (Pembroke Dock), W. H. Bowling (Pembroke Dock), T. Meyler (Fishguard), D. A. Davies (Newport, Pembroke), Morris (Clynderwen), W. J. Davies (Goodwick), and J. L. Jenkins (Haverfordwest). Mr. T. Lewis (Fishguard) was elected President, and Mr. J. L. Jenkins (Haverfordwest) Hon. Secretary. The annual subscription was fixed at 5s., half of this sum to be allocated to the Welsh National Committee on Insurance. Various matters were discussed, including the tariff of prices for dispensing under the National Insurance Act. The Hon. Secretary was instructed to prepare a list of chemists willing to serve on the panel. Mr. J. L. Jenkins was appointed representative on the Welsh National Committee.

**Society of Chemical Industry.**—The arrangements are now completed for the annual general meeting to be held in New York from August 31 to September 3. The headquarters are at the Chemists' Club, 52 East Forty-first Street, New York City, where an informal reception will be held on August 31, at 8.30 p.m. On Sunday, September 1, seats will be reserved in the Cathedrals of St. John the Divine and St. Patrick. September 2 being a public holiday, excursions have been arranged in and about New York City. On September 3 the annual general meeting takes place at the Chemists' Club at 10 A.M. There will be a welcome to the President-Elect (Professor Marston T. Bogert), address by the President (Dr. Rudolph Messel, F.R.S.), and the announcement of the award of the Society's medal to Sir William Crookes. A complimentary luncheon will be given at 12.30 p.m., and in the afternoon special trains will convey the members to Washington, D.C., to attend the inaugural meeting of the Eighth International Congress of Applied Chemistry, in which the Society will participate. The Congress sessions will be held from September 4 to 13, when the final gathering will take place in New York, followed in the evening by a banquet at the Waldorf-Astoria Hotel. Many excursions and visits to industrial works have also been arranged, particulars of which will be supplied to members.

**Manchester Chemists' Assistants' Association.**—A well-attended meeting of this Association was held at the Clarion Café, Market Street, on June 26, when the *National Insurance Act* came in for a good deal of attention. The President (Mr. James Grier, M.Sc.) reported an awakening of interest among the chemists' assistants and wholesale employees in the district, due largely to the recent legal enactments affecting their position and status. The members of the Association have decided to join the Chemists' Friendly Society, and the Association has been invited to elect a committee to act in conjunction with the Manchester Pharmaceutical Association, as an advisory body, to assist the management in Glasgow in local matters. The following members were elected for this purpose: Messrs. Chadwick, Dickinson, Grier, Walter Jones, Alfred Kirby, Moores, Walsh, Woodcock, and Woodhead. A scheme of propaganda work was decided upon, and an endeavour is to be made to adopt the principle of divisional representation, so as to get into close personal touch with every chemists' assistant and apprentice in the area. A vote of thanks was passed to Messrs. Burroughs Wellcome & Co. for their offer of a copy of Remington's "Pharmacy" for competition among the junior members of the Association. A scheme of competition will be drawn up by the committee. In regard to the programme for the winter session, the President announced that Professor Greenish has kindly promised to give a lantern-lecture on "The Commerce of Drugs." Social functions, lectures, and classes were arranged for. The first of a series of summer rambles is to be undertaken on Sunday, July 7 (see Coming Events).

**Coventry Association of Pharmacists.**—At the monthly meeting of this Association on June 27, Mr. J. W. Axford presiding, a paper upon *Spirituous Preparations* was read by Mr. D. G. Douthwaite. This dealt particularly with the regulations under the Licensing Acts and the exemption in favour of chemists. An apothecary may keep an open shop for the sale of medicines, poisons, and spirituous preparations, but a holder of the certificate to act as assistant to an apothecary may not do so. The following preparations, among many others, are only permitted to be sold by registered chemists and holders of spirit-licences: Sweet nitre, sal volatile, Friar's balsam, spirit of camphor, and spirit of peppermint. This privilege, said Mr. Douthwaite, does not extend to unqualified men or unlicensed grocers, nor does it extend to small shopkeepers. Alcoholic essences, such as vanilla, also alcoholic perfumes, come under the same law. Orange-quinine wine, ipecacuanha wine, antimonial wine, and colchicum wine are also included. An unqualified man has been fined for selling orange-quinine wine, he not being a registered chemist, nor being the holder of a wine-and-spirit licence. At present chemists are not permitted to sell certain medicated wines unless they possess the necessary licence. Some of these wines—e.g., Wincarnis and Hall's wine—have a large sale, and Mr. W. S. Glyn-Jones has proposed that a 10s. licence be granted to registered chemists for the sale of any wine placed by the Commissioners of Customs and Excise on a special list of medicated wines. After a general discussion, Mr. Douthwaite was thanked for his paper. The summer outing was fixed for July 11, the excursion being to Worcester.

**Edinburgh District Chemists' Trade Association.**—The annual meeting was held at 36 York Place, Edinburgh, on June 28, Mr. Thos. Stephenson in the chair. Six new members were admitted. The Chairman referred with satisfaction to the fact that the membership now stands at exactly 100. Mr. G. H. C. Rowland (Hon. Secretary) sub-

mitted the annual report on the work of the past session. The Chairman, in moving its adoption, said the record was one of good work. Mr. W. S. Glass seconded, and the report was adopted. Mr. George Somerville gave in the Treasurer's statement, which showed a balance on hand of 15/-, compared with 20/- last year. Out of ninety-four members he had managed to secure ninety-five subscriptions, one hon. life-member having sent him a subscription. The report was adopted on the motion of the Chairman, seconded by Mr. Blenkiron. In the absence of Mr. C. F. Henry, Mr. Somerville submitted the report of the Half-holiday Committee, which detailed the steps taken in presenting petitions to the Town Council in favour of extending the provisions of the Shops Act, 1912. The report was adopted. Mr. Henry sent in the report of visits to evening continuation classes, in which he said that the School Board's statistics showed that fifty-four boys and twenty-three girls at present connected with the drug-trade attend the evening classes. This showed that the wholesale trade is included in these figures. Three schools had classes devoted specially to preparation for the Preliminary examinations. The report was approved. Mr. Rutherford Hill made *in camera* a statement of the present position of affairs under the Insurance Act, and was cordially thanked. The Association then proceeded to elect office-bearers as follows: President, Mr. A. Currie; Vice-President, Mr. G. H. C. Rowland; Secretary, Mr. Blenkiron; Assistant-Secretary, Mr. J. L. Reid; Treasurer, Mr. J. S. B. Heddle. The following were appointed the Committee: Messrs. J. B. Mitchell, Somerville, Stephenson, J. Muir, G. Innes, Baxter, Victor Wright, McPherson, J. Dick, A. Kelly, along with the *ex-officio* members. A Publications Committee was appointed, and a vote of thanks accorded to the Executive of the North British Branch of the Pharmaceutical Society and to Mr. Hill for their kindness. The usual donations of two guineas to the Benevolent Fund and one guinea to the Orphan Fund were sanctioned. It was agreed to appoint all the office-bearers and the Committee as delegates to the British Pharmaceutical Conference.

## POISONING FATALITIES.

SIX cases of poisoning have been reported since our last issue, three of them being accidental, and the others suicidal.

**Aetic Acid.**—William Morgan (54), coal-trimmer, Cardiff, took from a shelf in his house a bottle of glacial acetic acid, which his wife was in the habit of applying to her corns and which stood beside a bottle of Epsom salts. Taking some of the contents, he died from corrosive-poisoning.

**Carbolic Acid.**—Alfred H. Stamp, house agent, Sunderland, after losing a case at the Durham Assizes on June 29, drank carbolic acid in the train on his way home to Sunderland and died.—An 8-oz. bottle of Calvert's No. 5 carbolic acid and a glass were found lying beside the dead body of a man discovered in Havers Lane, Bishop Stortford, last week. The Coroner's jury found a verdict of suicide from poisoning.

**Laudanum.**—James Stevenson, a Greenock Sheriff officer, died on July 3 from an accidental overdose of laudanum.

**Prussic Acid.**—A young man named Ashley Noel Griffiths, Didsbury, Manchester, was found dead on June 30 in the lavatory of the Globe Lamp Works, Huyton Quarry, where he was an apprentice. The evidence showed that potassium cyanide was kept on the premises, but the medical evidence was to the effect that death was due to prussic-acid poisoning.

**Sulphonal.**—James Patchett Green (32), of the Trafalgar Hydro, Blackpool, was found in a dying condition on the evening of June 28. He had disease of the hip-joint, and had undergone many operations. He had been in the habit of taking sulphonal to produce sleep. The medical evidence was to the effect that he had taken an overdose of the narcotic.

MR. C. F. HENRY, chemist, Edinburgh, in the course of a letter to the "National Insurance Weekly," makes a suggestion in regard to the stamping of the cards of casual workers, taking as an example a traveller who employs a porter to carry his samples for, say, four or six hours. At the end of that time the porter would produce his insurance card, on which the traveller would stick a halfpenny stamp and the porter would do the same, and so on with every turn of work he has, but he would not be entitled to have placed to his credit more than 7d. in any one week.

## Glycobac.

Ho! List to me, all ye whose hair  
With age is turning white;  
Whose backs are bowed; whose limbs no more  
Are lissom, strong, and light;

Whose teeth are few; whose hearing dull;  
Whose sight is growing dim;  
Who now no longer care to go  
In raiment neat and trim:

Whose appetite is small; on whom  
The best of dinners pall;  
Ye old men, list! for what I say  
Will interest you all.

There is a learned wight, my boys,  
Upon the Continent  
Called Metschnikoff, whose earnest mind  
Is still on science bent.

And he for long, long years has sought,  
Like many an ancient sage,  
To find a remedy to cure  
Your malady—old age.

'Tis no *Elixir Vitæ*, this,  
Like what the Alchemist  
With alembic and crucible  
Pursued, and ever missed.

'Tis not *Aurum Potabile*,  
Nor what the French with glee  
Call (it is just Dee, Aloes Co.)  
*Elixir de longue vie*.

These remedies are out of date,  
We now believe in germs,  
In phagocytes and bacilli,  
And microscopic worms.

And Mr. Metschnikoff has found  
(Or says so) in the dog  
A bacillus of wondrous power  
To make our ailments jog.

For you must learn, if you don't know,  
That what "Old Age" we call  
Is not a loss of energy  
That's gone beyond recall;

But really a slow poisoning  
By poisons which we grow  
Within our bowels; and which make  
The wheels of life run slow.

And chief of all the ills they cause,  
What hurts us most, is this—  
The thickening of our arteries  
By so-called sclerosis.

Which brings on headache, vertigo,  
And even syncope:  
As may affect each one of you,  
And—*absit omen*—me!

So cheer, my boys, for Metschnikoff  
Until your voices crack;  
And celebrate his latest gift,  
Which he calls glycobac.

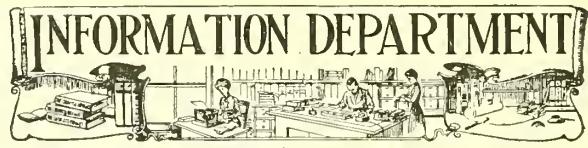
One moment, though. Perhaps we should  
Not "over hasty" be:  
For, as I write, a memory,  
Or two, occur to me.

A remedy was introduced—  
I do not wish to mock—  
But was it *really* a success  
Tuberculin of Koch?

And there's another which sometimes  
Sends people o'er the Styx:  
I scarce need name it, for you all  
Remember "— — —."

So, while a remedy so great  
We all must hail with glee,  
Perhaps, as Mr. Asquith said,  
We'd better "Wait and see."

J. R. W. (209/35.)



Postal Address:  
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.  
Telegraphic Address: "CHEMUS LONDON."  
Telephone No.: BANK 852 (two lines).

## INFORMATION WANTED.

We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries:

- 230/21. Zymolix.
- 223/37. "Rufeline."
- 230/7. "Antileprol."
- 224/32. 1s. "Mothik."
- 224/325. Aysha charni.
- 224/321. Boro Vino wine.
- 225/72. "Hall's Ointment."
- 224/320. Vichy tablets (rose).
- 229/62. Sibley's pumice-stone.
- 223/16. "Ovoids": suppliers.
- 224/324. Lassar's disinfectant.
- 228/49. "Peru" (a deodorant)
- 223/18. "Karel" cure: makers.
- 230/26. Reeve's instep support.
- 227/20. Brandt's extract of malt.
- 222/37. Boucher's powder: supply.
- 224/323. Simpson's arsenical perles.
- 230/211. Breathing Tube Co.: address.
- 230/19. "Gyrol" stick for rheumatism.
- 230/210. "Vivair," for reviving the hair.
- 224/322. Green tobacco ointment: makers.
- 226/65. Elbe Frères, perfumers: present address.
- 225/35. "Crown" brand spruce or black beer.
- 228/44. Dr. Munro's elastic bandages without rubber.
- 227/32. Small wadding or cotton-wool rings: makers.
- 228/26. Lyons (?) fondants, used in case of special diet.
- 223/25. "Imperial" corn-cure (Howard & Co., Holborn): suppliers.
- 227/21. Compressed emergency towel, "P. & T., founded 1840," encircled with a wreath: makers.

## INFORMATION SUPPLIED.

During the past week we have answered inquiries as to the makers or sellers of the following articles. The information will be repeated to other inquirers who send to this Department a stamped and addressed envelope for the purpose.

- Bioferrin, 221/50
- Bottle-wax, 224/19
- Brady & Martin, address, 228/44
- British Liquozone Co., address, 226/5
- Brownlow patent filters, 222/65
- Cadinol, 228/45
- Chemische Fabrik von Heyden, Dresden, agents, 227/69
- Cockrell's anti-rheumatic discs, 220/160
- Cofiman's bromo valerian tablets, 224/320
- Colalim tablets, 223/32
- Colouring for sausage-skins, etc., 222/16
- "Crefos" combs, 228/9
- Decker's water cosmetics, 227/14
- Dental goods, makers, 226/58
- Dioradin, 223/39
- Eucrasyne, 220/16 and 223/38
- Hibbert's antiseptic lotion, 220/67
- Hydopyrin, 228/46
- "Invicta" brand elastic hosiery, 228/8
- Irish moss, 223/26
- Isham water, 227/4
- "Little Wonder" feeder, 225/71
- Macaura's pulsoeon, 223/31
- Murray's fluid magnesia, 228/43
- "Offord" truss, 227/39
- Parmint, 223/23 and 223/24
- Philippe Henri's shampoo-powder, 223/15
- Pneumosan, 223/390
- Prolasto biscuits, 226/7
- Radium water, 224/32
- "Shavallo," 227/28
- Sodium bisulphite, 223/1
- Sulthine, 223/23
- Swiss chemical manufacturers, 220/47
- Ticket-writers, 228/33
- Tins, 226/39
- "Vanoleum," 227/54
- Vegetable oils, 223/310
- Veterinary tuberculin, 227/22
- "Vetrex," 226/6
- "Victory" corn-silk, 223/29

At a Convocation of Durham University, held at Armstrong College, Newcastle-on-Tyne, on June 29, the honorary degree of D.Sc. was conferred upon Professor P. C. Ray, Dean of the Faculty of Science in the University of Calcutta, and Professor L. P. Anderson Stuart, Dean of the Faculty of Medicine in the University of Sydney.

## OBSERVATIONS & REFLECTIONS.

By Xrayser II.

### Mr. Harrison's Evidence,

as summarised by you, reduced what may be called the case for the prosecution to something like reasonable dimensions, but it cannot be said to have been consistent with that of Dr. Cox, or even entirely self-consistent. He divided proprietaries into four classes : (1) New chemical substances produced synthetically ; (2) new combinations of old and well-known drugs ; (3) non-secret remedies of the "tabloid" order ; (4) medicines of "secret, or nearly secret, composition, or at any rate in regard to which no accurate or reliable information is supplied." Against the first three of these he had apparently nothing to say, but he very strongly objected to the fourth. He proposed to check, though not altogether to forbid, the sale of these by making it compulsory to declare on the labels the names of all the principal ingredients, by forbidding exaggerated statements, and by penalising the advertisement of "cures" for incurable diseases. The inconsistency of his attitude is seen in this—that the one characteristic which he condemns as common to all medicines of this fourth class is common to all the classes. They may not all be "intended" to foster self-medication, but they all have this effect. The evils of exaggerated statement, again, are by no means confined to one class, and the difficulty of dealing with them without interfering with legitimate enterprise is admittedly enormous, while as for "cures," it is impossible as yet to say certainly what is curable and what is not. That such legislation as Mr. Harrison suggests would "kill" gross abuses and flagrant frauds is possible, and if that is all the B.M.A. want we may agree with them, but in that case why on earth have they raised all this bother about it?

### The Word "Nostrum"

has apparently, like a good many other words, deteriorated in character since it first came into use. I question whether originally it always implied secrecy, for it is certain that its English equivalent, "our," when used of a medicinal preparation, did not. Salmon frequently speaks of "our Liquid Laudanum," "our Pulvis Catharticus," etc., the formulae for which he had published in one or other of his works. The idea of secrecy is no more necessarily involved in "nostrum" when used of a medicine than in Kingsley's use of it in the sentence, "Another party's nostrum is, more churches, more schools, more clergymen"; and although dictionary-makers usually include this idea in their definitions, this is probably due to the fact that the word does not occur very early in our literature. The first quotation given for it in the Oxford English Dictionary is dated 1602. This was before we had any official formulae for medicines, when, in fact, most medicines were nostrums in the sense that they were prepared from the formulae of some practitioner whose name they bore. The dictionary referred to defines "nostrum" as "a medicine, or medicinal application, prepared by the person recommending it, esp. a quack remedy, a patent medicine." If after "prepared" we interpolate "from a receipt of his own," we shall have here both the original meaning of the word and its present prevailing sense. Inventors in former times, as much as now, would naturally wish to keep their formulae secret ; but they were not all of this mind, and though the "sinister" meaning became inevitably attached to "nostrum," it is not even now inseparable from it. So evident a quack as Salmon often says "our Laudanum," merely to distinguish his own preparation from that of another practitioner which for some purposes he recommends.

### The Range of Influence

of THE CHEMIST AND DRUGGIST in all matters correlated to chemical science and industry is well illustrated by the extremely interesting letter in your last issue from "G.R. Officer." One would have naturally thought that a purely chemical subject of this nature would have been considered out of place in a pharma-

ceutical paper, but the fact that those most interested in the question consider your columns the proper place in which to ventilate their grievances is certainly a tribute to your authority—a tribute as complimentary as I am sure it is deserved. As to the subject-matter of the complaint, it does appear as if the Customs and Excise people had got into a fine muddle. The condition of affairs drawn attention to by your correspondent is really remarkable, and deserves to be sifted by independent authorities.

### "Meddlers and Muddlers"

is an expression that was used in my hearing a few days ago regarding the select coterie of individuals who are responsible for the "British Pharmaceutical Codex." The simple-minded members of the Pharmaceutical Council, who honestly believe in everything possessing the hall-mark of Bloomsbury Square, and who accept the Codex as the last word in things pharmaceutical, may well open their eyes when they see that it is being used as a means for the persecution of perfectly honest and honourable pharmacists. The attempt to set up the book as a standard for chloride of lime has fortunately been checked, but other attempts may be made in other directions, and these should be resisted strenuously, as the good of the craft is a secondary consideration with those who are attempting to give this Codex importance which it does not possess.

### A Very Slight Acquaintance

with medical literature might have saved Dr. Rogers from the blunder he falls into with regard to the history of ipecacuanha. It appears to have been used at first mainly in diarrhoea and dysentery, and experiments were made for ridding it of its emetic quality that its superiority as a cathartic over scammony and colocynth might not be interfered with. There is an interesting monograph on the subject in Alleyne (1733), taken from the "Philosophical Transactions," No. 410, the author of which, Dr. Douglas, acknowledges his indebtedness to Sir Hans Sloane and many other authorities, both English and French. It was in France that most attention was paid to the new drug. Lemery, though he refers to Piso, says that it was first introduced into France by a physician named Le Gras. He recognises (as does Douglas) four varieties as genuine, and gives the dose as from half a dram to a dram and a half of the powder. In injections he gave from a dram to half an ounce of the white variety, which, according to Piso, came, as did the other varieties, from Brazil and other places. The sources were, however, largely conjectural. Alleyne gives the dose of the powder as from ten grains to two scruples, but adds that some give a dram; needlessly, as he thinks, since smaller doses may be equally effective.

### The Practical Nature

of the questions in elementary business knowledge set in the examinations for the Fairchild Scholarship and Prizes always impresses me. Any candidate who answers these questions creditably proves without doubt that he has not only had an excellent training, but that he has kept and is keeping his eyes and ears open. Sometimes, however, there is a suspicion of a catch in the questions, and in the paper that you printed last week there is certainly one question that is ambiguous, in that it admits of two answers, either of which would be regarded by different examiners as correct. I refer to the question calling for a calculation of the net profit on a series of transactions. The ambiguity lies in the phrases "50 per cent. profit" and "15 per cent. profit." Some pharmacists take the selling price and others the cost price as the basis on which profit is calculated, and, of course, the difference is very considerable. One man would say that an article selling at 1s. 6d. and costing 9d. shows a profit of 50 per cent., whereas another man would call this cent. per cent. profit, his view being that 1s. 1½d. for a 9d. article represents a profit of 50 per cent. Obviously it would be perfectly fair to work out the answer either way. The view taken by the candidate will naturally depend on the way in which he has been trained, and provided the working is correctly done, I presume either answer would be awarded full marks.

FLYCATCHERS are useful,  
But PREVENTION is better.

## "SANITAS-BACTOX"

(Homogeneous),

1/- Bottles and 5/- per gallon.

**PREVENTS FLIES AND SELLS WELL.**  
**HERE IS PROOF:**

"Replying to 'Badger,' my house was swarming with flies . . . until last year I obtained from the 'SANITAS' Co. a preparation they recommended called 'SANITAS-BACTOX.' I used to sprinkle my manure pit two or three times a week with this preparation (diluted 1/250) **and that stopped the flies breeding;** and during all the hot, dry summer the stables have been comparatively free from these disease-spreading creatures."

(FIELD, November 4, 1911.)

FRENCH  
and all Foreign  
**PROPRIETARY  
MEDICINES**  
can be obtained from  
**WILCOX, JOZEAU & CO.**  
49 Haymarket, London S.W.  
Price List on Application  
Special Export Terms  
Foreign Prescriptions  
dispensed for  
Pharmacists

**S.V.M.** METHYLATED SPIRIT  
Also RECTIFIED SPIRIT.  
**S.V.R.**  
Jas. Burrough Ltd. D.I. Cale Distillery, Hutton Road,  
LAMBETH, S.E.

**"MILK OF MAGNESIA"**  
(Registered Trade Mark)  
**(PHILLIPS')**  
For special terms apply to THE CHARLES H. PHILLIPS CHEMICAL CO.,  
14 Henrietta Street, Covent Garden, W.C.

## C. & D. BOOKS. EVERYONE PRACTICAL, MONEY MAKING, & MONEY SAVING.

PHARMACEUTICAL FORMULAS. (8th Edition.) 10/-, by Post 10/6.  
ART OF DISPENSING. (9th Edition.) 580 pages 6/-, by Post 6/4.  
VETERINARY COUNTER PRACTICE. (6th Edition.) 4/-, by Post 4/4.

THE CHEMIST-OPTICIAN. 4/-, by Post 4/3.  
ELEMENTARY DISPENSING PRACTICE. 3/6, by Post 3/9.  
DISEASES AND REMEDIES. (4th Edition.) 3/-, by Post 3/3.  
PRACTICAL METHODS OF URINE ANALYSIS. 2/6, by Post 2/9.  
THE CHEMISTS' MEDICAL DICTIONARY. 2/6, by Post 2/8.  
GUIDE TO PRELIMINARY EXAMINATIONS. 2/6, by Post 2/9.  
MANUAL OF PHARMACEUTICAL TESTING. 2/6, by Post 2/9.  
OPENING A PHARMACY. (3rd Edition.) 2/6, by Post 2/9.  
THE CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/8.

THE CHEMIST AND DRUGGIST, 42 CANNON STREET, LONDON, E.C.

Also Stocked by the leading Wholesale Houses.

## GRIMBLE'S MALT VINEGAR.



LONDON, N.W., & EDINBURGH

**FLETCHERS'** FOR TINCTURES, INFUSIONS,  
AND SYRUPS.

## CONCENTRATED

Sole Proprietors:  
**FLETCHER, FLETCHER, & CO., Ltd.**  
London and Sydney.

## LIQUORS

## Editorial Articles.

### Rectified-spirit Licence.

THE statutory regulations applying Section 9 of the Finance Act, 1911, which made provision for the grant of the new spirit-licence to manufacturing or wholesale chemists and druggists, have just been issued, and the licence may be obtained by persons entitled to apply for it from collectors of Customs and Excise. The licence is only to be granted to a manufacturing or wholesale chemist and druggist. There is no definition in the Act of what a wholesale chemist and druggist is, but it may be taken to be one who buys for the purpose of selling to retail chemists and druggists. As the new licence entitles the holder to sell in retail quantities, a Justices' licence must be held by the person applying for it. For the steps to be taken to obtain this, see the *C. & D. Diary*, under Wines, Retailing "Off," p. 454. When the Justices' licence has been obtained, the next step is to apply to the local officer for Customs and Excise for a form 134 D, which has to be filled up by the applicant. This is the application form and contains an undertaking that the holder of the licence will comply with the conditions attached to the licence. It must be signed by applicant in the presence of an officer of Customs and Excise. Where the applicant is a registered company, the application must be under the seal of the company, unless some officer of the company has been duly authorised by the company to give a binding undertaking that the conditions expressed on the form 134 D will be complied with. In such a case the Board of Customs and Excise may, if applied to, allow him to sign for his company. This application must be made afresh on every occasion on which a renewal of the Excise licence is wanted. An entry-paper describing the premises to be used for storing and selling the spirit under the licence has then to be filled up and signed. This is made out on an official form, which may be obtained from the local officer of Customs and Excise. If the person applying for the new licence is already the holder of a wholesale spirit-licence and of a retail spirit-licence for the same premises, he need not fill up this official entry-paper; but if he is licensed to sell only by wholesale, or only by retail, he

must fill it up. The duty on the licence is chargeable at the rate of 10*l.* per annum. Where the licence is granted for the first time in respect of any premises to an applicant, the duty to be paid is to be such a proportional part of the whole year's duty as the part of the year which has to expire bears to the whole licensing year. Every licence will expire on June 30 next following the date on which it was taken out. The powers of sale granted under the licence require to be carefully noted. The licence-holder is only authorised to sell rectified spirit of not less than 43° above proof. The spirit must be intended to be used for medicinal purposes or for some scientific purpose in a laboratory, and may be sold only to duly qualified medical practitioners or a duly registered pharmaceutical chemist or chemist and druggist, or to a person intending to use it in laboratory work. The sales may be in wholesale or in retail quantities under the licence, but in whatever quantities sold the spirit must always be delivered in closed vessels. The licence does not authorise the sale of any other intoxicating liquor than rectified spirit. The general regulations governing the receipt, storage, and delivery of spirits apply to a holder of the new licence, and some special requirements are added in his case. He must keep the usual spirit stock-book in which to record particulars of all spirit received by him, and he is required to enter in this book an account of all spirit sent out or delivered by him under his licence, irrespective of the quantity sold or delivered. This account must contain, as well as the particulars of the spirit sent out or delivered, the name and address and the profession or occupation of the person to whom spirit is sent, so that any officer of Customs and Excise may, by inspection of the book, be in a position to satisfy himself that the sale has taken place only to a person to whom the licence-holder was authorised by his licence to sell, and in conformity with the undertaking given by him on the form of application on which he applied for the licence. When the quantity of spirit delivered at any one time to one person exceeds one gallon, the consignment must be accompanied by an Excise certificate. The book must be open in the usual way to the inspection of any officer of Customs and Excise visiting the premises. Provision is also made under the Order for the issue of the new licence in substitution of a spirit-retailer's off-licence, where the latter licence is already held by the applicant. In such a case, a readjustment of the duty chargeable is made; but application must in every instance be made to the Board of Customs and Excise through the local surveyor of Customs and Excise as to the terms upon which the licence can be obtained. Any licence-holder who contravenes the conditions under which his licence allows him to sell, or any of the conditions contained in the form of application upon which he applies for the licence, renders himself liable to a penalty of 50*l.*

### The Copyright Act.

THE Copyright Act, 1911, came into force in the United Kingdom on July 1. It embodies certain alterations in the law of copyright, but it is correct to say that it is in the main a codification of the previous statutes, seventeen of which are repealed, while alterations, minor in detail, are required in four other statutes. The repealed Acts of Parliament date from the Engraving Copyright Act, 1734. The new Act has interest for the drug-trade, and it is convenient to state first the chief alterations in the law of copyright. These are : (1) The lengthening of the term

of copyright, which is now made to be "the life of the author and a period of fifty years after his death," with a compulsory licence provision; (2) the recognition of "innocent" infringers, who are not liable to pay damages if it can be proved that there were no reasonable grounds for suspecting that copyright subsisted in the work; (3) alteration in the mode of taking action, two methods, civil and summary, being provided; (4) copyright in sound is extended to reproduction by means of records and perforated rolls, a royalty rate being specified in the Act; (5) architectural works of art are now definitely included in the term "artistic work"; and (6) as the onus of proving that a work is not copyright is placed on the infringer it is no longer necessary to tender proof of copyright—*i.e.*, registration—as a condition precedent to starting an action for infringement. The last provision means that the expression "Entered at Stationers' Hall," which for generations has appeared on labels and books, is no longer required, nor is any other statement obligatory. In regard to the term of copyright there are special provisions applying to joint authors, and in the definition of the owner of the copyright there is a reservation to the author of contributions to newspapers in the absence of any agreement to the contrary. The question of the author of a copyright becomes an interesting question in the case of photographs, but it is now definitely laid down that the copyright belongs to the person by whom such photograph was made to order "for a valuable consideration" in the absence of an agreement to the contrary. The term of copyright in the case of photographs is calculated from the making of the original negative, and is fixed at fifty years irrespective of the length of the author's life. This same limitation of the term of copyright applies in the case of records and perforated rolls from the making of the "original plate from which the contrivance was directly or indirectly derived." A limitation of three years is imposed in respect of the time within which an action for infringement can be taken. A point which comes up occasionally in public affairs—it was hotly debated many years ago in the drug-trade—is the copyright in lectures. It is not an offence under the Act to publish a report of a public lecture unless the report is prohibited "by conspicuous written or printed notice affixed before and maintained during the lecture at or about the main entrance of the building in which the lecture is given." This prohibition does not, however, affect any fair newspaper summary, nor does it extend to addresses of a political nature. In the drug-trade the chief use that has been made of the Copyright Act has been to protect the design of labels and the wording of trade price-lists and circulars. The best protection for the name or description of a proprietary article is obtained by inventing and registering a trade-name under the Trade-marks Act; but the practice of imitating original labels and price-list matter is still an offence under the Copyright Act, and, as previously stated, the onus now lies upon the copier or imitator to prove that what he has followed is not copyright.

### Census of Production.

THE Census of Production Office, 68 Victoria Street, London, S.W., has prepared the schedules for the second census of production, which will be taken in 1913, in respect of production carried on in the present year, and specimens of the draft circulars have been sent to us. These are simpler than before, and now form four instead of eight pages. Perhaps the most important change is

that small firms, employing not more than five persons besides the employer, are to be exempted from the requirement to furnish returns on signing a declaration which appears on the first page of the schedule and returning it to the Census of Production Office. In the last census nine questions were given in the schedule for the drugs, fine chemicals, and perfumery trades, and answers to eight of these were compulsory. Now there are seven questions, all compulsory, and the word "Question" is replaced by "Section." The first is a statement as to the trade or business; the second is the year of return; and Section 3 is in respect to the output during 1912. This is to include the quantity of the first five items and selling-value of each class of goods made during the year, whether sold in that year or not, and has to comprise the deliveries as packed for sale of each class of goods in the year, plus stock at the end and less stock at the beginning. Discounts, payments for carriage outwards, and allowances for returnable cases, etc., are to be deducted from the amount charged to customers. It is further stated that goods mixed, compounded, or refined should be returned at their value as finished products, but goods which are simply bought and resold without any further work being done on them should not be included as output. The whole of page 3 of the schedule is devoted to a table comprising the following entries :

| Kind of goods made for sale or for stock,<br>and kind of work done   | Quantities | Net selling<br>value |
|--|------------|----------------------|
| Borax  | .....tons  | £                    |
| Toilet Soap  | .....cwt.  | .....                |
| Perfumed Spirits   | .....gals  | .....                |
| Essential Oils   | .....lb.   | .....                |
| Disinfectants, Insecticides, Weed-killers,<br>and Sheep and Cattle Dressings   | .....tons  | .....                |
| Fine and Pharmaceutical Chemicals<br>(including Cream of Tartar, Tartaric Acid,<br>Chloroform, Ethers, Quinine and other<br>Alkaloids, etc.) | —          | .....                |
| Drugs and Galenical Preparations   | —          | .....                |
| Patent Medicines   | —          | .....                |
| Prepared Foods   | —          | .....                |
| Perfumery and Toilet Preparations (except<br>Perfumed Spirits and Toilet Soap)   | —          | .....                |
| Druggists' Sundries  | —          | .....                |
| Culinary Preparations and Grocers' Sundries  | —          | .....                |
| Photographic Materials (Plates, Paper, and<br>Films)   | —          | .....                |
| Compressed Gases (Oxygen, Hydrogen,<br>Nitrous Oxide, etc.)  | —          | .....                |
| All other Products (specify principal kinds<br>and values separately)  | —          | .....                |

Work done for the trade (*e.g.*, drug-grinding) is placed at the bottom of the table, as well as "Construction and Repair Work executed by firm's own workpeople on own plant and machinery, with cost of iron and steel work and construction of and repairs to machinery (*i.e.*, wages and materials—excluding machines)." This section is on the whole an improvement upon the similar one of the first census. The new items in the above list are Disinfectants, insecticides, weed-killers, and sheep and cattle dressings, Druggists' sundries, Culinary preparations and grocers' sundries, and Compressed gases. In the former schedule British-prepared saltpetre occurred, and this is not mentioned in any other of the schedules devoted to the chemical trade, so that it will be included under "other products." Section 4 of the schedule is devoted to materials used, and the information required is the estimated cost in one sum of all purchased materials (including raw drugs, chemicals, oils, spirits, etc.) used in the production of the output; all fuel, oil, gas, and electricity purchased, packing materials, and materials for repairs to firm's own buildings or plant executed by their own workpeople. This sum should comprise the purchases

of such materials, etc., in the year, plus stocks at the beginning and less stocks at the end. Wages, salaries, rent, rates, insurance, depreciation, and similar charges, and the cost of new machinery and plant should not be included. Goods simply bought and resold without any further work being done on them are also to be excluded. Following this is similar information regarding the estimated amount paid to other firms for drug-grinding and other similar work done on materials given out, while Section 6 is a tabular form in which the numbers of wage-earners at work on the last pay-days in January, April, July, and October, and of salaried persons on the same days, have to be entered in six classes—namely, males under eighteen years, (1) half-timers, (2) full-timers; males over eighteen years; females under eighteen years, (1) half-timers, (2) full-timers; and females over eighteen years. It is expressly stated that assistants at retail shops are not to be included, and the following paragraph occurs in red ink :

"By arrangement with the Home Office, this Section of the Return will also serve as the Return required for 1912 under Section 130 of the Factory Act, and the particulars here furnished will be communicated to the Home Office. Except in certain cases where further particulars are prescribed by the Secretary of State, a separate Return will not require to be made to the Home Office under that Act. The necessary entries, however, must be made on page 1 of the general register kept at your works."

This section is more searching in its requirements than was the case with Question 6 four years ago. In Section 7 the capacities of all engines in the works—namely, steam-engines, steam-turbines, gas, oil, and petrol engines, water-power, dynamos, and electric motors—have to be given. This is more detailed than on the former occasion, but will involve little more trouble in the filling in. The two questions which have been dropped are the number of calendar days on which the establishment was open for production and the average percentage of wage-earners at work on Sundays, and the question in regard to the amount of coal and coke consumed, which was voluntary. We have also received specimen schedules as follows :

No. 58.—Heavy Chemicals Trades. The information here is in six sections under the same headings as the Drugs, etc., Trades, except that the section devoted to work given out is not included. The output section is in two parts, A and B, A including the total make of hydrochloric acid and sulphuric acid, and B the production for sale or stock of acetic acid; aluminous sulphates (including alum); sulphate of ammonia; manures (other than sulphate of ammonia); arsenic and its oxides; bleaching-materials; borax; sulphate of copper; copper, unwrought, in ingots, cakes, or slabs; copper, regulus, matte, precipitate, and residues; disinfectants, insecticides, weed-killers, and sheep and cattle dressings; hydrochloric acid; soda-compounds (except chromates, cyanides, borax, and salt); sulphur; sulphuric acid; purple iron ore; fine and pharmaceutical chemicals; drugs and galenical preparations, unenumerated chemicals (not including coal-tar products, dye-stuffs, manures, medicines, or salt); all other products.

No. 62.—Soap and Candle Trades. Here two sections for voluntary information are included.

No. 63.—Tar-distilling, Wood-distilling, and Coal-tar Colours Trades.

No. 64.—Seed-crushing Trade. Voluntary information is asked in regard to the total make of crude rape-seed oil, raw soya-bean oil, and certain other raw seed-oils, as well as the number of presses at the end of 1912 and the fuel consumed in the year.

No. 65.—Oil Trades (other than seed-crushing). Voluntary information being required in regard to the output of lubricating oils and greases, soluble and other oils for the textile trade, burning and other oils (except seed-oils), as well as the fuel consumed.

No. 66.—Fertiliser, Glue, Sheep-dip, and Disinfectant Trades.

No. 67.—The Manufacture of Chemicals for Textile, Tanning, and other Trades. The goods in respect to which information is desired are: Extracts for tanners, printers, and dyers; dye-woods and tanning materials, ground or prepared; aluminous sulphates (including alum and alum-cake);

bleaching-materials (other than bleaching powder); mordants (other than aluminous sulphates); finishing-materials, other than oils (including gums, starch, Epsom salts, etc.); oils, soluble and other, for textile and similar trades; soap; acetic acid; boiler composition and disincerustants; brewers' finings, etc.; all other products.

It may be noted in conclusion that the returns are for twelve months, and the period should be either the calendar year 1912 or the business year of the firm most nearly corresponding thereto, and ending not later than June 30, 1913. In the case of businesses which have been commenced during 1912 the return has to be made for that part of 1912 during which production was carried on.

### Orders from Bromley.

In response to the note published in our Correspondence columns last week, several chemists have sent us postcard orders that they have received from Mr. W. Purton, Westfield Villa, Southlands Road, Bromley, Kent, and we reproduce one of these in reduced facsimile which was addressed to Mr. P. Grant, pharmacist, Rock Ferry :

*Westfield Villa June 20<sup>th</sup> 1912  
Southlands Road Bromley Kent  
Dear Sir Kindly forward me at your convenience  
2 Dozen Wrights Cold Soap  
1 Dozen Wrights Paraffine  
1 Dozen Easiclean Soap price about 4/-  
Please enclose small bill on arrival  
W. Grant from faithfully W. Purton*

Mr Grant took the precaution to send an invoice intimating that he would be pleased to forward the goods on receipt of the amount, but he heard no more of the matter. Mr. Hugh Jones, Blaenau Ffestiniog, received a similar order; and Mr. Frank W. Biggs, of Stourbridge, wrote suggesting to Mr. Purton that he should obtain the goods locally, but if unable to do so, he would be pleased to supply on receipt of remittance to cover cost and postage, but he heard no more. Mr. A. E. Davis, of the Dale Pharmacy, Matlock, writes :

DEAR SIR.—I notice in your issue of this week "An order from Bromley, Kent." This customer evidently has a particularity for the name of Davis. I have received the following orders:

Bromley, Kent.  
March 7, 1911.

DEAR SIR.—Kindly forward me at your convenience  
1 doz. tablets assorted soap, price about 3s. doz.; also  
2 bottles brilliantine.

And please enclose me the small bill same time.

Yours faithfully,  
W. PURTON.  
Bromley, Kent.

January 13, 1912.

DEAR SIR.—If convenient will you please forward me without delay

2 cases Zam-buk soap.  
Bot. brilliantine.  
Lavender water, bottle.  
Vaseline 1s.

And enclose small bill same time.

Faithfully yours,  
W. PURTON.

In each instance I sent *pro forma* invoice, but heard nothing further.

A pharmacist in Lancashire, in reply to the postcard, sent a few cakes of soap, a sixpenny shaving-stick, and a sixpenny bottle of brilliantine, but omitted to send a tin of Zam-buk. The parcel was sent carriage forward, but the pharmacist is still waiting for his money. These examples will suffice to put other chemists on their guard. From inquiries that we have made we consider that the best

advice that we can give is for those who receive similar orders to post them to us at once, and not to write to Purton until they hear from us.

### The Passing of the Apothecary.

The Earl of Rosebery distributed the prizes to the successful students of the London Hospital Medical School on Monday, July 1, and gave an address, in which he compared the medical students of Pickwick's day with those of the present time. In the course of this address, which was characterised by the erudition and humour for which his Lordship is world-famed, he had something to say in regard to the passing of the apothecary, which is thus reported in "The Times":

There were other members of the medical profession who were also extinct, so far as his orbit extended, though he fancied they still survived in the more rural parts of the country—he meant the apothecary of their childhood. To many of them who were much younger than he, this figure must be deemed to be almost legendary, and yet he was a daily companion of their childhood. He was a great medicine-man, as the Indians called them, in the most literal sense of the word, because he not merely recommended but compounded the medicines which he daily administered. He gave up the good old name of apothecary and became a general practitioner, to their lasting regret—he did not know why, because they never read of the general practitioner in "Romeo and Juliet." (Laughter.) They might see the whole method of his transition recorded by another of our great writers of fiction in the character of old Mr. Pendarves, the father of the hero of that romance. He was a kindly friend to them. If he gave them too much medicine, there was no necessity to take it. He did not think they always did, and he could still remember the familiar grasp of his warm and flabby hand as it rested upon his tremulous pulse. (Laughter.) He supposed it was an age of progress, and they must dispense with him as well as with other familiar creatures of the past.

The significance of this passage lies in the fact that the old apothecaries were still practising within his Lordship's memory, and he was born in 1847. We may also recall the fact that one of his Lordship's ancestors was an apothecary, and the fine old mortar used by him is still in existence.

### TRADE-MARKS.

(From the "Trade-marks Journal," June 12, 1912.)

- "ROYLON"; for photographic chemicals (1). By Kodak-Ltd., Kingsway, London, W.C. 341,519.
- "PHYTONAL"; for vermin-destroyers (2). By Chemische Fabrik Schweinfurt g.m.b.h., 126<sup>2</sup> Schweinfurter Strasse, Schweinfurt-on-Main. 342,308.
- "AZOTALINE"; for chemicals (2). By W. B. Bottomley, King's College, Strand, London, W.C. 341,659.
- "VESICAESAN"; for medicinal chemicals (3). By Chemische Fabrik Reisholz g.m.b.h., 10 Werstenerstrasse, Reisholz, Düsseldorf. 334,585.
- "PERISTALTINE"; for a medicine (3). By Society of Chemical Industry in Basle, 141 Klybeckstrasse, Basle. 341,873.
- "COLICIN"; for medicinal chemicals (3). By H. E. Stevenson, "Avondale," Ditton Hill, Surrey. 342,344.
- "SCOUTSCOPE"; for optical goods (8). By Lawrence & Mayo, 67 and 69 Chancery Lane, London, W.C. 341,631.
- "KALOOF"; for all goods (11). By Hudson & Rickett, Ltd., 8 The Terrace, White Hart Lane, Tottenham, N. 342,168.
- "KAMOS"; for a preservative (42). By A. Boake Roberts & Co., Ltd., 100 Carpenter's Road, Stratford, Essex. 340,995.
- Label device including arrow and words "WRIGLEY'S SPEARMINT PEPSIN GUM"; for chewing-gum (42). By Wrigley's, Ltd., 164 Piccadilly, London, W. 342,288.
- "CUPID'S BALM"; for a toilet article (48). By D. Ernest, 23 Cliff Town Road, Southend-on-Sea. 341,075.
- Label device including words "POMADE HONGROISE" and "RÉNÉ FRÈRES" (Réné Frères disclaimed); for a moustache preparation (48). By N. Snecklyn & Sons, 29 Houndsditch, London, E.C. 335,725.
- "HANAGAWA," for perfumery, etc. (48); "TEERAVON," for shampoo-powder (48); and "HANAGAWA METAL-POLISH GLOSS" (50). By M. Woehlbier, H. Baensch, and W. Peritz, 356 Goldhawk Road, Hammersmith, W. 341,340/1/2.

## Select Committee on Patent Medicines.

**Appointed by the House of Commons to inquire into the sale of patent and proprietary medicines and medical preparations and appliances, and advertisements relating thereto.**

**Record of Evidence given on June 27 and July 4.**

WE summarised in our last issue (June 29, index folio 960) the after-luncheon proceedings in Committee Room No. 16 at the House of Commons on June 27; these we now print in an extended form. The Committee has decided in private not to meet henceforth on Tuesdays, but to sit on Thursdays to 4 P.M., with a luncheon interval.

### THE ORIGIN OF "SECRET REMEDIES."

Mr. Lawson continued the examination of Mr. E. F. Harrison, the analyst who made a list of proprietary remedies which he proposed to analyse, and submitted it to a committee of the "British Medical Journal." This list was compiled from magazine and other advertisements. Various groups were suggested with about half-a-dozen medicines in each group. The whole of his selection was accepted. He did not agree that 50 per cent. of the preparations enumerated in "Secret Remedies" are very little known. The book does not deal with those preparations advertised in the "British Medical Journal," because, said witness, those are not in the class of secret remedies. Good, bad, and indifferent medicines are included in the book.

Mr. Lawson: There are some which have been advertised and noticed in the "British Medical Journal" and are now advertised in the lay Press which are secret remedies so far as the public is concerned. I have examples in my mind.—

Mr. Harrison: What are they?

We have had examples of Kutnow's Powder. I am saying nothing against it. I am only giving this as an example.—As regards Kutnow's Powder, it never occurred to me as belonging to any particular group here.

What you said was that this book includes the good, bad, and indifferent?—Of secret remedies.

But Kutnow's is secret so far as the public is concerned?—I don't say it includes all.

I am only remarking on the very curious phenomenon that there should not be in this book a single one of these preparations advertised in the "British Medical Journal" Have any been eliminated by the committee?—None whatever. It has never once happened that the committee has struck out or suggested striking out anything I have suggested should be included. I cannot call to mind any article which could be called secret which is also advertised in the "British Medical Journal," and it has never been suggested to me, directly or indirectly, that any article should be included on account of whether it was advertised or not. Kutnow's Powder has never appealed to me as a secret medicine, because the general nature of the preparation is so well understood by doctors.

### THE OBJECT OF RESTRICTION.

Replying to further questions by Mr. Lawson, witness said that the reforms he suggested were in the interest of the public. The object was not in the slightest to transfer the profits of business from one set of men, however unworthy, to another set of men, however worthy. He did not wish in the least to interfere with the legitimate profits of those who own proprietary medicines and preparations.

Mr. Lawson: The publication of the exact ingredients by way of formula would enable the chemist to make an article that is now made by the proprietor?—Witness was understood to reply that it might have this effect.

Then the same preparation would be sold to the public by a different set of men?—Yes, except in so far as the publication of the formula would deter people from buying it at all.

If the medicine is good or bad, it is equally so whoever sells it?—Certainly.

If the chemist takes his knowledge from the formula it would not affect the public who buy the preparation? It would only be a question of the reapportionment of the spoils?—That would not only be the effect. The publication of the formula would act as a very great deterrent to

the purchase of these articles which are sold through exaggerated claims.

Then so far as the formula is merely giving information to experts there is nothing in it? The only thing you wish to effect is to put the public off the purchase?—To put the public off the purchase of the fraudulent class.

Witness was next questioned as to the bearing of the Sale of Food and Drugs Acts on proprietary medicines, then Mr. Lawson, returning to the question of stating the ingredients upon the label, said it appeared to him that these technical descriptions would only appeal to those who understood them. Mr. Harrison explained that those who desired information would inquire at the nearest pharmacy. He also informed Mr. Lawson that the element of secrecy in proprietary medicines enables them to be charged at a higher price than would otherwise be possible. Most of them could be manufactured by the ordinary pharmacist, as generally no special machinery is called for. Further conversation took place in which witness stated that quite as good formulae are available to the public, either from medical prescriptions or by articles made up by chemists. The question of self-medication was also discussed, and Mr. Harrison said the public should be perfectly free to medicate itself at its own risk, but should not be deliberately persuaded to do so by false advertisements.

### CLASSIFYING PATENTS.

Mr. Newton then took up the examination, and obtained an unwilling promise from witness that he would separate the medicines dealt with in "Secret Remedies" into three classes—those which are dangerous, non-dangerous, and doubtful. He expressed the opinion that the phrase "mixture for fever" is unobjectionable, but "cure for fever" is misleading. In the same way he would object to remedies which claimed to cure cancer, rupture, tuberculosis, or Bright's disease. Witness further elicited the opinion that the publication of the ingredients on the label would diminish the sale of a proprietary medicine, and by crippling the proprietor would lessen his scope for advertising, and so protect the public.

Mr. Newton: I understand that you have practised as a retail chemist?—Yes, but not on my own account.

What is the attitude of retail chemists? What restrictions are they under with regard to sale? Do they sell below the advertised price?—The majority of those manufacturers whose goods have a large sale protect the price.

Is the discount allowed to the retail chemist very considerable?—No; but it compares very favourably with that for other articles.

Then would it be correct to say that the chemist is encouraged to sell these articles because there is a very heavy discount?—I think it would be correct to say so.

The Committee adjourned till the following Thursday.

### The Inquiry Resumed.

The Committee met again on Thursday, July 4. Sir Henry Norman presided, and other members of the Committee present were the Right Hon. Sir J. H. Dalziel, Sir Philip Magnus, Mr. C. Bathurst, Mr. Cawley, Dr. Chapple, Mr. Glyn-Jones, Mr. Lawson, and Mr. Lynch. The attendance of the public was larger than ever.

Mr. E. F. Harrison, Ph.C., B.Sc., etc., took his seat at the table for

### CROSS-EXAMINATION BY MR. GLYN-JONES.

Mr. HARRISON said it might save the time of the Committee if he stated that the analyses of medicated wines put in by the British Medical Association were also by him. If it was desired to ask any questions with regard to the actual analysis he was prepared to answer them. In reply to Mr. Glyn-Jones he said he recognised that there is a distinct disadvantage in having the same drug on the

market under half-a-dozen or a dozen different names, but he thought that any attempt to upset the present trademark right would be a very big question. The matter is one which was dealt with, to a certain extent, by the Pharmaceutical Society publishing in the "British Pharmaceutical Codex" lists of unregistered names under which drugs are sold. It was quite true that a pharmacist might be called upon to keep six or more separate stocks of one substance, the only difference being the name. As an example, he quoted tetraxamethylenetetramine which is sold under several names.

Mr. Glyn-Jones: A doctor might order a patient to take a substance under one of these special names, and a pharmacist might have the actual substance in stock and be unable to supply it because he had not got it under that special name?—Yes.

Would it be an advantage if we prohibited the use of trade-marks in regard to one article?—Witness was afraid he could not answer that. He wished to make it quite clear that when he had divided proprietary medicines into four classes and had said that with regard to the fourth class—the class with regard to which he had suggested legislation—the composition of the medicines was entirely secret, or almost entirely secret, he had not meant to say that there was any very great difference between that class and the third class. In each case there was something which was secret, but it was not alone a matter of the degree of secrecy. He had said that the thing which was common to the fourth class was that they were all intended for self-medication. He had not meant to imply that the third class was not intended for self-medication. He thought the fact that the ingredients were disclosed would possibly lead to self-medication by people who thought they knew something about the subject.

Mr. Glyn-Jones, having quoted from "Secret Remedies" and "More Secret Remedies," asked the witness what he meant by saying that many drugs were devoid of definite active principles. Did he mean by that, devoid of definite active principles which could be discovered by an analyst?—The witness replied that he meant devoid of any active principle which had been discovered by research in the laboratory. Active principle, of course, is a very well-known term among chemists for defining substances, such as strychnine, quinine, or a dozen other things, but it did not imply that other substances were inactive. In nux vomica there are two active principles, but it is admitted that there are other constituents which might exert a modifying action to a greater or lesser extent of what are called active principles.

Mr. Glyn-Jones asked whether it would be right to say that, whatever the medicinal effect some drugs of that class might have, science had not yet been able to state what were the active principles in those drugs.—Witness replied that that was so in some cases, but that does not imply that the drugs are inactive. It would apply to arnica, bryonia, and buchu, which could not be discovered with certainty by the analyst. There is a large number of those drugs, like gentian, mezereon, hamamelis, rhubarb, and senna, which admittedly have some medicinal effect, and in some of the cases science does not know why. When they are mixed together it is almost impossible for an analyst to identify them. It is necessary to distinguish between positive and negative evidence.

There is a difficulty when these active principles are there in obtaining a quantitative analysis?—Yes, beyond a certain limit.

You might have a 6-oz. bottle of water with 6 minims of ipecacuanha-wine. Would that have a definite medicinal action?—I do not want to speak as an authority on medicinal action, but I doubt it.

Do you agree that there are a large number of medical men who prescribe minim doses of ipecacuanha-wine?—I am not aware of that from my own knowledge.

Assuming that to be so, am I right in saying that an analyst could detect 6 minims in a 6-oz. bottle of water?—No, unless he had a large quantity, and was put on the track.

Mr. Lynch: Do you mean that an analyst might fail to detect its presence?—Yes; it might quite easily be overlooked. At the same time I should not like to say that it is impossible to detect its presence. Not 3 per cent. of analysts would discover it.

The Chairman: Would that amount have any medicinal effect?—Well, Mr. Glyn-Jones says so, but it is news to me.

Mr. Glyn-Jones asked whether the virtue of a preparation may not depend upon a secret which is not discoverable by analysis. He explained that his reason for asking the question was that at a previous sitting of the Committee, in reply to Dr. Chapple, witness had said that a secret pre-

paration might be a better article than one of which the ingredients are known. Were they to take it from that that a secret in the method of making might lead to the production of a better article?—Mr. Harrison: That is certainly so.

Mr. Glyn-Jones called the witness's attention to the fact that Hewlets' Bismuth and Pepsin Mixture is sold for 6s. more per lb. than a chemist could supply an imitation made according to some published formula. "Might some secret in the preparation of the mixture be worth 6s. a lb.?" he asked witness, who replied, "It might be."

If a doctor wanted a pound of tincture of rhubarb he might stipulate that he wants it made up by Hewlets, but he would not pay any more for it than if it was made up by any other firm?—No.

So that Hewlets claim to have some secret virtue in this article for which doctors will pay 6s. a lb. more?—Yes.

And that is not discoverable by analysis?—I should not like to say that, for I have not analysed Hewlets' Mixture.

Do you expect that there will be very much use of Hewlets' Bismuth and Pepsin Mixture at 10s. a lb. by doctors who dispense their own medicines?—Yes; I know it as a fact.

Do you think that doctors who dispense their own medicine will give this medicine at 10s. a lb. rather than another mixture at 4s. a lb.?—Yes; I know that is so. If makers are able to persuade doctors that their preparation is better than any other the doctors will use it.

The Chairman: Do you admit that the firm have a non-discoverable secret?—I do not say that, but there are such things as mixtures which

#### YOU CANNOT GET AT BY ANALYSIS.

Still, I think that you can by analysis get a full account of this mixture.

Mr. Glyn-Jones: Can you suggest why that has not been done, seeing that it would save the medical profession as much as 6s. a lb.?—If they can completely convince the medical profession of the value of the mixture they will pay the extra 6s. for it. I do not think they will do that in all cases but I know of cases where it would be possible for a doctor to get an equally good article at a much cheaper rate, but he generally prefers to go to a firm which he had been dealing with for a long time.

Mr. Glyn-Jones proceeded to cross-examine witness in regard to the analysis of a preparation containing lemon-juice, sugar, senega, tolu, and common salt, and witness stated that the lemon-juice would decompose the common salt into hydrochloric acid in certain conditions.

Mr. Glyn-Jones: Assuming that some amount of hydrochloric acid has been introduced by the action of the lemon-juice on the salt, is it fair to describe the article as a preparation of hydrochloric acid and salt?—Witness replied that it would not be fair to say that hydrochloric acid was deliberately introduced.

Mr. Glyn-Jones then mentioned the case of Mrs. Johnson's American Soothing-syrup, the analysis of which in "Secret Remedies" states that it contains 2.33 parts of hydrochloric acid. He had received a communication from Messrs. Barclay, the proprietors of the preparation, pointing out that the preparation does not contain hydrochloric acid, but a third of it is lemon-juice. Might not, he asked witness, the natural result of analysing a substance with no idea before he started what it contained, lead to the assumption that the acid there was in the form of hydrochloric acid, without really being there?—Witness: It might be the case, but I have not made such an unwarranted assumption.

If there was lemon-juice in it, there must have been citric acid?—Witness: Yes, in minute quantity.

Which would have indicated that it was there in the form of lemon-juice, and not of hydrochloric acid?—The lemon-juice could not account for the excess of chlorine.

#### PROTESTS AGAINST THE ANALYSES.

Further cross-examined by Mr. Glyn-Jones, witness said it had come to his notice that certain proprietors had protested that the analyses did not correctly describe their articles. Two or three had written to the "British Medical Journal," and a pamphlet had been produced professing to reply to "Secret Remedies." The method adopted in regard to the pamphlet was that the author wrote to manufacturers and asked if the analysis of their goods was correct. He did not impugn the good faith of the proprietors, but they might be mistaken. As an instance, he quoted the case of Tuberclozene, one sample of which he found to be quite free from copper. He discovered, however, that it was imported to this country in iron drums, which would account for the deposition of the whole of the copper.

Mr. Glyn-Jones was proceeding to question witness further with respect to the question of hydrochloric acid being mistaken for citric acid, when the chairman remarked that if he attached so much importance to this matter they had better have the maker's statement and obtain an independent analysis. Whether that was worth while or not he did not know.

Mr. Glyn-Jones: Dr. Cox mentioned that you had only one libel action pending against the British Medical Association in connection with this publication. Might not that be accounted for by the fact that in all probability to succeed in a libel action the proprietors would have to disclose what was the composition of their article in order to prove that the analyst was wrong?—If a proprietor could take the British Medical Association into court without disclosing the formula, probably more proprietors would be tempted to do so.

It is because he would have to disclose his formula that he does not bring his libel action?—Certainly.

Do you agree that to publish an analysis and then throw the onus upon the maker of accepting that or of doing what he does not want to do—namely, give away his secret—might lead to unfairness?—Yes. If a libel action was brought, the proprietor would not be compelled to disclose his formula, but if he did not it would weaken his case. He might, however, prove on expert grounds, without disclosing his formula, that the analysis was wrong.

Sir Philip Magnus: The Court might order an independent analysis.

Mr. Cawley: Would it be possible to show one fault without disclosing the whole formula?—Certainly. If he could show that the analysis was wrong in any material part, he could do so without disclosing the whole formula.

In reply to further questions by Mr. Glyn-Jones, witness admitted there is a large traffic in secret medicines which does not go through the recognised wholesale and retail channels. He had mentioned 146 distinct articles in the first volume of "Secret Remedies," and, while he would accept the statement that only seventy-five of these articles were in May, Roberts & Co.'s list, he did not want it to be understood that the balance had not a large sale although not through retailers. Many are sold only through the post. Of the medicines mentioned in witness's evidence he accepted the statement that many were unknown to the trade.

In further cross-examination Mr. Glyn-Jones elicited from witness that the average medical practitioner gets his knowledge of the therapeutic value of drugs from textbooks, which are equally open to the pharmacists.

The Chairman thought these questions ought to be addressed to someone who represented the medical profession.

Mr. Glyn-Jones: Do doctors who dispense their own medicines add to their income by selling and purveying certain drugs at a high rate of profit?

The Chairman: That must be put to someone who can speak for the medical profession.

Mr. Glyn-Jones then ascertained from witness the fact that ammoniated tincture of quinine is recognised as a cure for colds. He did not see any serious objection to a pharmacist putting up ammoniated tincture of quinine and stating that it was a cure for colds.

Supposing he said it was Smith's Tincture, and not ammoniated tincture of quinine, and that it was good for common colds, is there any objection to that?—Yes, decidedly.

You say the reason for asking for the disclosure of the contents of the article on the label is that the public would then be less inclined to believe the claims made?—Yes, the exaggerated claims.

Mr. Glyn-Jones then drew witness's attention to Curie wafers, and asked whether he considered that by putting the analysis of the wafers upon the label it prevents people from believing that the wafers were a certain cure for headaches?—Witness replied that it would not necessarily prevent them, but he was speaking rather of the general effect of publishing the ingredients than of the positive effect.

Mr. Glyn-Jones pointed out that in the case of Bengué's Balsam, which was described as a wonderful remedy for gout, rheumatism, neuralgia, locomotor ataxy, there was practically a full disclosure of the ingredients. Did witness suggest that this disclosure prevented people from buying?—Witness said that curative claims were made for certain preparations; it would enable a person, if the ingredients

were stated to go to his medical man or to a chemist and ask whether virtues claimed for such ingredients were correct.

Referring to a previous statement of witness, Mr. Glyn-Jones asked whether he thought that at a popular price a mixture of sugar and water could be launched as a paying proprietary medicine?—I believe it could.

And live any length of time?—Yes. There is Mattei's remedy that has lived for many years, and it is composed of water without the sugar. It is claimed to be electrified water.

With respect of the censorship of advertisements, do you suggest there should be a State censorship of the claims made?—Yes. I am not prepared to make a positive and definitive suggestion, but I do think that something of the kind is needed in addition to the disclosure of the ingredients.

Mr. Lawson: Is not this done already by the Public Prosecutor?—It is purely theoretical, I should say. (Laughter.)

Could not the "British Medical Journal" exercise some form of censorship over the advertisements appearing in their own columns? That question was put to Dr. Cox, and he said they could not possibly do that because it would mean that the things that they passed would be regarded as satisfactory. If that is so in regard to the British Medical Association, is there not danger that if the State exercised a censorship people would think that the things that were passed must be right, or otherwise the State would stop them?—I did not understand Dr. Cox to say what you said. I understood him to say the "British Medical Journal" does exercise some degree of censorship, but they could not take the responsibility of analysing everything that is advertised because that would be practically committing themselves to the view that those articles which they passed were good articles. I do not suggest the State should hold such a censorship that they would be responsible for everything that they passed. There could, however, be some censorship.

Mr. Glyn-Jones: If it were possible to draw some line over which the thing becomes flagrant, and the State then interferes, do you think the public would have greater confidence in the claims made because they were not prevented by the State?—I do not think so.

Mr. Bathurst then took up the examination. His first question was: Is it possible for retail dealers to sell proprietary medicines containing poisons without any culpability or liability being brought against them?—Witness: The retailer takes the whole risk, and he may sell a poison quite innocently, but he would be liable.

He would be liable if after selling it an analysis was made and it was found to contain poison?—Yes. Further questioned, witness did not think these regulations could be extended to the wholesale dealers, but he suggested that, in addition to stating the poisonous ingredients, the wholesale might state the quantities of the poisonous ingredients and then the retailer would be in a better position.

Is it possible that a large number of injurious alkaloids which are not described as medical alkaloids, of which there is knowledge, may be used in these proprietary medicines without the analyst being able to ascertain their presence?—No; although it is difficult to detect some alkaloids, there are certain general tests which apply to all alkaloids, and therefore you can say that such and such a substance has or has not an alkaloid in it.

Witness was asked as to how he would tell the difference between theine, caffeine, and theobromine, and said it could be done; the melting-point of the last-named is characteristic. The difference could also be told between codeine, hyoscyamine, solanine, and atropine if the analyst had a large quantity of the material.

Would it not be an advantage to the public if it were made impossible by law to describe the same medicine by different names, as is done in connection with the well-known proprietary medicines?—There is no doubt it would be an advantage.

Some amusement was here extracted from the chemical name of urotropine—hexamethylenetetramine—which is objectionable, said witness, on account of its length.

I think you have said that there should be a diagnosis in each case before the medicine is sold to a patient?—I think it is desirable that there should be a diagnosis in all serious cases.

You would see no harm if a doctor prescribed ammoniated tincture of quinine a year ago, and I suffered from cold again, if I continued to obtain that as a remedy?—I see no harm in that, but there is always an element of risk. The symptoms may have changed or some other trouble may have

arisen. Witness thought it would be a hardship to proprietors to require the full formula on the label. It might be giving away a valuable secret. He was also asked about herbalists. "Have they any expert knowledge?" asked Mr. Bathurst. "Not the slightest," was the reply. It would not, said witness, be feasible to draw up a list of incurable diseases.

#### MORE ADMISSIONS.

In reply to Sir H. Dalziel, witness said he had seen a letter of complaint from the proprietors of Siegel's Syrup that his analysis did not disclose all the ingredients, that it cost more to make than he had indicated, and that it was not a humbug. Generally there had not been complaints from well-known firms that he had not been correct.

Mr. Lawson: There has been a heated correspondence?—I should not call it heated, but there seems to have been some tone of sarcasm. (Laughter.)

The Chairman: Perhaps it was the "free acid" referred to by Mr. Glyn-Jones. (Laughter.)

Sir H. Dalziel: May we take it that Messrs. Beecham and other firms have accepted your reports?—If their not having written to protest is to be taken as accepting it, that is so. So far as I know, we have had nothing to show that they do not accept the report as correct.

Would it be possible for Beecham's Pills to contain any ingredient which you did not point out in your book?—In small quantities, certainly. Pills particularly lend themselves to the use of extracts.

If they said there were four or five *bona-fide* ingredients which you had taken no notice of, would you attach any importance to that?—Witness said that the manufacturer might take a dozen different ingredients in small quantities, and it would be quite correct to say that he had not discovered them. The inclusion of those ingredients might add to the cost of production. He had no desire to kill all proprietary medicines, but a number were worthless and ought not to be kept alive. Witness was asked whether he would exempt from interference those advertised in the "British Medical Journal," and replied that they belong to a class he has exempted. Witness analysed Ecsolent ointment to check the formula sent by the manufacturers. Kutnow's Powder has not been recommended by the "British Medical Journal" within recent years. It would not be possible to say what the life of even a worthless medicine was, for persistent advertising would keep one alive, while a better article might have its sale killed. Tuberculozene is still being sold, though its sale is prohibited in Australia. It is imported in iron drums, and sold for 2*l.* 10*s.* a bottle. He could not agree that the poor are not victimised, for he knew of one poor man, whose wife suffered from consumption, who paid 7*l.* 10*s.* for a three-months' cure, and had to sell his insurance policy to raise the money. He could not say that it is being advertised in this country. He would not extend the claim to have the ingredients on the label to other things than medicines.

Sir P. Magnus asked witness if he had any evidence that the publication of "Secret Medicines" had lessened the sale of any remedies dealt with there?—Witness replied that some of the remedies had disappeared. He could not say that there had been any falling-off in the sale of others, although there had been 150,000 copies of the book sold. There had only been one libel action in connection with the book. In bringing a libel action it would be necessary to show damage, and so far as he knew no damage had been done. There might have been enormous damage to some of these medicines, but he had no information on the point.

Questioned by the Chairman, Mr. Harrison said he had not once come across a new drug when analysing patent medicines, except perhaps geniform, but it was only fair to say that if the drug was new he might not be able to discover it. There is on the average one new proprietary medicine each week. There is evidence that there is fraud on a large scale, but, on the other hand, some medicines are prepared very carefully by fully qualified men. He admitted that the evidence which he had given would be taken to show that secrets in regard to proprietary medicines could not be discovered, but cases of that kind are very rare. It might be true, as was claimed, that no one could make anything identical with Beecham's Pills. Witness gave instances where the proprietors implied that the Government stamp was a guarantee.

The Chairman thanked the witness for his very interesting and valuable evidence and for the conscientiousness with which he had given it.

The Committee adjourned for lunch.

#### MEDICATED WINES.

The sitting was resumed at 2.35 p.m., and the whole of the time till 4.20 was taken up with the evidence and examination of Dr. Mary Sturge, who spoke at great length on the evils of medicated wines. The alcoholic strength of these wines is, she said, greater than that of ordinary light wines, and her chief desire was to see the alcoholic strength stated on the label, so that people should not take the wine under the impression that it was non-alcoholic. Witness objected to fancy names which did not show that the preparations were wines. Typical advertisements were handed in, and samples of some of the wines were displayed on the table. A large number of medical opinions were read regarding the effect of medicated wines in inducing the alcohol habit. School-girls have these wines administered to them by people who do not know better. In examination witness was shown advertisements in the "British Medical Journal" for whisky and gin, and she said that the medical readers would know the percentage of alcohol these beverages contained. The profession is powerless to cope with the evil so long as the preparations are advertised. In reply to Mr. Lawson, Dr. Sturge said that the advertisements for alcoholic beverages in the "British Medical Journal" only reflected popular opinion, and besides that, she added, "everything that appears in that journal passes the Editorial Committee." The next meeting is on Thursday, July 18.

#### CANADIAN NEWS.

(From the "C. & D." Correspondent.)

B.C. PHARMACEUTICAL ASSOCIATION.—The twenty-second annual meeting of the British Columbia Pharmaceutical Association was held on June 13, which was a busy day for the Victoria pharmacists, two Council-meetings, the annual meeting, and a banquet being crowded into the hours between 8.30 a.m. and 11.30 p.m. Of the Council-meeting not much need be said, save the dealing with a communication referring to the proposed reciprocity of pharmaceutical diplomas between the Colonies and Great Britain. The Council considered the nine provisional requirements issued by the Pharmaceutical Society of Great Britain as a basis for argument, and passed the following resolution:

That inasmuch as the proposed requirements of the Pharmaceutical Society of Great Britain in its request for reciprocity in our opinion constitute the Pharmaceutical Society of Great Britain sole judge of the requirements necessary, this Association does not deem it advisable to entertain the proposition in its present form.

It was further pointed out by the President (Mr. John Cochrane) that while Dominion reciprocity is being advocated by the Canadian Pharmaceutical Association, that question could not be decided by that organisation, but by each provincial pharmaceutical association by virtue of its powers under the several Acts. The names of Councillors E. S. Knowlton and J. H. Emery and Sec.-Reg. Treasurer J. W. Browne will be submitted to the Hon. Provincial Secretary for his selection for the membership of the first convocation of the British Columbia University, in which provision will be made for a department of pharmacy. The University is to be established in 1913, "even if tents are used" (to quote the Hon. Provincial Secretary), and will be built at Point Grey, off Vancouver. At the annual meeting held later the following resolution passed by the Council was agreed to: "That we do not endorse the sale of any so-called price-protected goods that are not confined to registered drug-stores." The President read an address in which he counselled the members to defer definite action along lines of reciprocity with the Western Provinces until British Columbia is in a position to tender equal qualifications as to college training. The three retiring councillors were re-elected:—viz., Messrs. Knowlton, Vancouver; F. J. Mackenzie, New Westminster; and J. H. Emery, Victoria. At the Council-meeting Mr. J. L. White, Greenwood, B.C., was elected President for the year 1912-13; Mr. J. H. Emery, Vice-President; and Mr. James W. Browne, 500 Main Street, Vancouver, re-elected Secretary-Registrar and Treasurer.

## WESTMINSTER WISDOM.

The Week in Parliament.

### SCOTTISH PHARMACEUTICAL STANDING COMMITTEE.

Mr. Walter Guinness's question about this Committee (see *C. & D.*, June 29, index folio 967) has not yet been answered. Mr. Guinness has informed our Parliamentary representative that he put down the question on behalf of a colleague. He has again put it down for July 8.

[This is interesting in view of the fact that it is rumoured in Scotland that a retail chemist in "the Kingdom" is personally known to Mr. Guinness and had instigated the question. This is erroneous; but the question originated in Scotland, we are informed.—*EDITOR, C. & D.*]

### CREOSOTE IN BRICKYARDS.

The Home Secretary informed Mr. Percy Alden, M.P., on Monday, that he is inquiring into the disease which is caused by the use of creosote in brickyards. It appears that the bricks are not dipped in creosote, but that creosote is used for lubricating the dies of the brick-making machines, and some of it is liable to get on the hands and arms of the workers. It is scheduled as epitheliomatous cancer or ulceration in the Home Office Order under the Workmen's Compensation Act. Only one case is known in which the disease has resulted in the loss of a hand or arm. Frequent washing is the best protection against the disease, and washing accommodation is being provided at the works.

### DRUGS AND MEDICAL APPLIANCES IN WORKHOUSES.

Colonel Rawson asked the President of the Local Government Board last week whether he will consider the necessity of changing the limitation of the amount of Exchequer contributions in respect of salaries of Poor-law officers and the cost of drugs and medical appliances, in view of the changes which have taken place during the last twenty-four years, and also that the removal of such limitation has been recommended by the Royal Commissions on Local Taxation and on the Poor-laws.—Mr. Burns replied that, as he had previously stated, the whole question of grants from the Imperial Exchequer in aid of local rates is under the consideration of the Departmental Committee on Local Taxation.

### THE GOVERNMENT AND THE OPIUM QUESTION.

The Colonial Secretary, in the course of his recent review of the work of his Department in the House of Commons, made an extended reference to the opium question. Referring to the International Congress at The Hague, he said :

The most important Articles of the Convention are those dealing with morphine, cocaine, and such drugs, and providing for an international control by the Powers over the manufacture, sale, and export of these poisons. We shall be prepared at the proper time to take legislative measures for this purpose in this country, and I have already sent despatches to the Dominions, and to such Colonies as are not automatically parties to the Convention, asking that I may be authorised to agree to it on their behalf. In view of the grave and undoubted evils which have arisen from the compulsory reduction of opium leading some people in some places to the even more deadly vices of morphine and cocaine, I think that, until by international action we can check this, it might be unwise to proceed further to the desired goal—and it is a desired goal—of the total cessation of the opium habit.

Our Parliamentary correspondent is informed that there is no immediate probability of the report of the British delegates to the International Conference on the opium question at The Hague being issued, and that the general position is much the same as it was some days ago when Sir Edward Grey was questioned on the subject in the House of Commons.

### THE ENFORCEMENT OF THE SHOPS ACT.

Mr. Montague Barlow asked the Home Secretary on Monday whether the Government do not intend to enforce the provisions of the Shops Act; and whether, if that is so, he can give the House any information as to whether the Government will be prepared, in case similar difficulties should arise in carrying out any of the pro-

visions of the National Insurance Act, to express their willingness not to enforce those provisions.—The Home Secretary replied that the duty of enforcing the provisions of the Shops Act is placed on the local authorities, and not on the State.

Mr. Stewart having asked the Secretary to the Treasury whether the Stationery Office are prepared to supply all the notices necessary to be posted in shops explaining the provisions of the Shops Act, and whether the Stationery Office is the only source from which such notices can be obtained, or may they be printed locally in any district, Mr. Ellis Griffith has replied, on behalf of the Treasury, that the only notice under the Act which is required to be prescribed by the Home Office is the notice fixing the day of the assistants' half-holiday; this is printed by the Stationery Office and is on sale by the usual agents. Special arrangements were made to insure that it should be readily obtainable throughout the country. The other notices under the Act are not required to be in any special form, and shopkeepers are at liberty to provide them in whatever way they please, but if there was a desire that forms for any of these notices should be issued by the Stationery Office, he should be quite willing to consider the matter.

### "DOCTOR AND MEDICINE."

Replying to Sir Philip Magnus on July 2, Mr. Masterman stated that he is unable at present to add anything to previous statements which he had made on the negotiations with doctors in regard to work under the National Insurance Act. The Act promises to all insured persons from January 15, 1913, free medical attendance or a monetary equivalent. This promise has been set out in the insurance leaflets, and if the Commissioners find that medical attendance in any district cannot be assured the alternative which is provided in the Act will be given to insured persons.

Sir Philip Magnus asked what would be the amount equivalent in lieu of medical benefit.

Mr. Masterman replied that it would be the amount at the present time calculated on the actuarial advice on which the Bill is based—6s. He would not commit himself to that amount at present.

Sir Philip Magnus asked further whether the right hon. gentleman considered that that is sufficient to ensure medical attendance.

Mr. Masterman replied that it is one and a half times as much as five millions of people are now receiving in medical benefit.

Captain Clive also asked if arrangements had been made to provide medical benefit before issuing the N.H. leaflet; and to this Mr. Masterman replied that the N.H. leaflet specifically declares that one of the benefits of the Act will consist of doctor and medicine, or, in special circumstances, money payments instead. The Commissioners will have no difficulty in fulfilling this promise.

Captain Clive asked the right hon. gentleman whether he could say what is meant by "special circumstances."

Mr. Masterman replied that he thought that a general strike of members of the medical profession, which he hoped would not take place, would be "special circumstances."

Sir Philip Magnus put down his question again for Thursday. He has informed our Parliamentary representative that he proposes to go on questioning the Secretary to the Treasury until he receives a satisfactory reply. The alternative benefit which the Commissioners propose of 6s. per annum in lieu of free medical attendance does not carry out, in Sir Philip's opinion, the objects of the Act—viz., the insurance of the poorer classes against sickness by giving free medical attendance and drugs. The payment of 6s. to a man who is ill for two or three years would not, he added, pay for a doctor or for medicines.

In reply to Sir Philip Magnus on Thursday, Mr. Masterman said that the refusal on the part of the medical profession in general to make a collective agreement with the Insurance Commissioners would not necessarily entail the consequence specified in the question. Other courses were possible under the Act. In any event the sum of 6s. per head would enable the insured person to remunerate the doctors who attended them at a

considerably higher than their services than they had received in the past. It would be premature at the present moment to discuss schemes other than the panel scheme, which is the alternative and which is the subject of negotiations at the present time between the Chancellor and the medical profession.

Lord Helmsley asked whether it was proposed, in the event of failure to agree with the doctors, to give each insured person 6s., whether he required medical attendance in the course of the year or not.

Mr. Masterman did not commit himself to 6s., and added that there are alternatives, and there is a possibility of medical benefit being suspended and a certain sum being given to the insured person, whether he requires medical attendance or not. They were making every effort to retain the co-operation of the members of the medical profession, compatible with the amount of money which was voted by the House of Commons.

Mr. Barnes asked whether the 6s. would be given back to the insured person.

Mr. Masterman answered that up till now the bulk of the working-classes had been able to obtain medical attendance and medicine for 4s., and now they were proposing to give them at least 6s. In the last resource, if no other course was possible, 6s. or some other sum would be given to each insured person.

## OUR GERMAN LETTER.

(Special Correspondence to the "C. & D.")

**Opium in German China.**—The Governor of Kiao-Chao has issued an order forbidding the cultivation of poppies for opium in that colony. Opium may only be imported in original packages and in cases, and after passing it will be stamped with a special seal, and may only be sold to licensed vendors.

**Berlin's Dear Pharmacy.**—The municipality of Berlin has suddenly become the holder of a privilege to own a pharmacy. In the year 1907 the town of Berlin decided to widen the Ross Strasse, and the privileged pharmacy situated in that street was expropriated by the authorities. The town refused to recognise the owner's demand for payment of the value of the "privilege," and allowed him only 12,192*l.* odd for the ground and the house, maintaining that with this sum he was at liberty to purchase another house in the neighbourhood and open a pharmacy in the new premises. In the Lower Court the owner won his claim for payment of the privilege value; but the town appealed, and the Imperial Court in Leipzig has now pronounced judgment confirming the finding of the Lower Court, on the ground that the privilege rests upon the property, and cannot be transferred to another site. Berlin has therefore been ordered to pay the former owner of the "Red Eagle" pharmacy 20,307*l.*, in addition to the amount already paid out, so that in all the town has had to pay 32,500*l.*, and it gets the privilege.

**The New Alcohol Law** abolishing the "Kontingentierung" of the manufacture of alcohol has now received the Imperial sanction, and will be enforced on October 1, 1912. The bonus of 2*d.* on every litre of alcohol manufactured within the "Kontingent" quantity will be abolished, and in its place a uniform excise duty of 1*s. 3d.* will be levied. By this means it is hoped to provide a further revenue of about 1,800,000*l.* towards the cost of the new armaments. This increase in the cost of alcohol will naturally lead to a further rise in price of numerous alcoholic preparations, and its effect on the chemical industry is viewed with concern in manufacturing circles. It has been pointed out that the inevitable decrease in the consumption of spirits which will follow this measure may, indeed, negative its financial success as a source of extra revenue. This law also regulates the use of methyl alcohol, as expressed in Section 21, according to which spirituous drinks, remedies, tonics, perfumes, and preparations for the care of the hair, skin, nails, or mouth may not be prepared in such a way as to contain methyl alcohol, while preparations of this kind containing methyl alcohol may not be placed on the market or imported. An exception is made in favour of solutions or preparations of formaldehyde in which the presence of methyl alcohol is due to the formaldehyde, and in the case of such preparations in which the presence of small quantities of methyl alcohol is due to natural processes, or which cannot be avoided technically. Infringements of this prohibition will be punished by imprisonment up to six months and a fine not exceeding 500*l.*, or either, but if the infringement is due to negligence two months' imprisonment or a fine of 50*l.* is the maxima. The authorities are empowered to confiscate and destroy such preparations.

## TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in grading and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

### 42 Cannon Street, London, E.C., July 4.

THE transport strike continues to be the dominating feature on the London drug market. Goods are known to be close at hand, but delivery cannot be obtained. Buyers are inclined to await these being freed in the hope that easier prices will follow. However, as purchases made are of hand-to-mouth character, it is likely that increased inquiry will keep prices stable. At the docks goods, both inward and outward, are being handled more freely, several of the coastwise shipping companies having got boats away to Scotland and Ireland. The lightermen form the real key to the situation, but the Port of London Authority's move to circumvent them cannot mature for some weeks yet. The markets are in general quiet or dull, many prices being nominal. Reports of short crops are responsible for a further advance in canary-seed. Codeine is 10*d.* per oz. down. Coriander is also cheaper, while cinnamon sold lower at auction. Cream of tartar is 1*s.* dearer. Short stocks are making rhubarb dearer. In essential oils both eucalyptus and star anise are tending still higher. The rise in the latter is possibly "engineered" in China. Menthol keeps its firm tone. Linseed and linseed oil are easier, while new-crop marjoram is cheaper. Sugar of milk will possibly go better during the next few weeks. Senega root (new crop) is very late in being offered, and seems to confirm the impression that the crop is much smaller than usual. The principal changes are as follows :

| Higher         | Firmer        | Easier      | Lower      |
|----------------|---------------|-------------|------------|
| Arsenic        | Anise oil     | Copaiba     | Cinnamon   |
| Canary-seed    | Chamomiles    | Fenugreek   | Codeine    |
| Cream of       | Cod-liver oil | Linseed     | Coriander  |
| tartar         | Menthol       | Linseed oil | Marjoram   |
| Eucalyptus oil | Milk-sugar    |             | (new crop) |
| Potash,        |               |             | Senega     |
| prussiate      |               |             | (new crop) |
| Rhubarb        |               |             |            |

### Cablegram.

NEW YORK, July 3.—The drug-market here is dull. Opium is in an easy position at \$6.40 per lb. Peppermint oil is quiet at \$2.70. Oil of spearmint is steady at \$4.75. Cartagena ipecac. is lower at \$1.80. Buchu-leaves are firm at \$1.50. Golden seal root is steady at \$5. There is no change in regard to cascara sagrada and copaiba.

### London Markets.

ACETANILIDE is being offered at 9*1/2d.* per lb. in 1-cwt. quantities.

ALOES.—The balance of unsold *Cape* from last auction was sold subsequently, clearing the first-hand market. The export inquiry is good, and further supplies will probably be in continued demand. *Curaçao* is also in better demand at 40*s.* to 45*s.* for black. Twenty boxes of *Curaçao* are entered for London, while a new parcel of *Zanzibar* in monkey skins is also close at hand.

ANISE.—Russian seeds are offered at 26*s.* per cwt. c.i.f., and Spanish at 32*s.* 6*d.* c.i.f. There is not much doing on the spot at the moment.

**ALKALI.**—As intimated on p. 62 last week, 50 per cent. soda-ash is 17s. 6d. per ton cheaper.

**ANISE OIL (STAR).**—Firmer. On the spot 5s. 10d. per lb. has been paid, and 5s. 11d. is now asked. To arrive, quotations direct from China are at extreme prices, 5s. 7d. to 5s. 8d., but in second-hands to August-October shipment 5s. 5d. is the price.

**ARSENIC** is dearer at 16*l.* and Australian at 14*l.*

**BALSAM TOLU** is being inquired for, this article being scarce on spot. Buyers are inclined to await shipments. The same applies to the New York market, where \$1 has been paid.

**BELLADONNA.**—The English crop is now being harvested and proves to be short, but there is no change in the price of the extract.

**BENZOIN.**—About 300 cases, chiefly various qualities of Sumatra, have arrived.

**BITUMEN.**—The metal is unchanged at 7s. 6d.

**BORAX AND BORIC ACID.**—The following are Howards' quotations : *Boric acid*, crystals, 5-cwt. lots, 27s. per cwt.; 1-cwt., 28s.; powdered, 5-cwt. lots, 29s. per cwt.; 1-cwt., 50s. *Refined borax*, 5-cwt. lots, 18s. per cwt.; 1-cwt., 19s.; powdered, 5-cwt. lots, 20s. per cwt.; 1-cwt., 21s.

**BROMIDES** keep firm but unchanged, good business being done at full prices.

**BUCHU.**—Several parcels of ovals have changed hands at firm rates. The weekly Cape boat has brought 13 bales for London. There is little being done in round leaf, the American demand being quiet.

**CAMPHOR.**—Business has been done in refined Japanese 2½-lb. slabs for July shipment at 1s. 6d. c.i.f.

**CANARY-SEED** has continued to advance in price owing to reports of short crops in all the producing countries. Turkish and ordinary Morocco are worth 59s., and good Morocco 66s. per quarter.

**CARAWAY-SEED.**—Fair average Dutch of new crop is quoted for August-January shipment at 34s. c.i.f., and 33s. on the spot for fair.

**CASCARA SAGRADA** is lifeless on this market, there being sellers 2s. below the Pacific Coast figure—41s. c.i.f. for new bark. For old bark 42s. 6d. to 43s. 6d. is quoted.

**CASSIA FISTULA** is in fair demand, West Indian being quoted at 30s. and East Indian at 28s.

**CASSIA OIL** comes dearer at 3s. 7½*d.* c.i.f. for 80 to 85 per cent., and 3s. 5*d.* for 75 to 80 per cent.; 70 to 75 per cent. is not offering at the moment.

**CHAMOMILE-FLOWERS** are getting into a very small compass; for fair white flowers 140s. to 145s. per cwt. is asked, for small brownish a few are offering at 135s.

**CHLOROFORM.**—In consequence of the dearness of German spirit and the advance in German-made chloroform, several Italian firms who were unable to compete with Germany owing to the cost of production, now intend starting again, as the conditions are much more favourable.

**CINCHONA.**—At the Amsterdam auction on July 18, 10,123 packages will be offered, comprising 8,926 packages of Ledgeriana and Hybrid, 370 cases and 827 bales of Succinabra. The first-hand stock at Amsterdam consisted on July 27 of 2,386 packages Government bark, 15,543 packages private bark—18,429 packages, including the first-hand packages to be offered on July 18. The shipments from Java in June amounted to 1,636,000 Amst. lb., against 1,516,000 Amst. lb. in 1911. The total shipments from January to June amounted in 1912 to 6,259,000 Amst. lb. against 7,863,000 Amst. lb. in 1911.

**CINNAMON.**—At auction chips were cheaper, 158 out of 258 bags Ceylon offered selling without reserve, fair at 17½*d.* to 2*d.* The "Ceylon Times" for June 6 states :

Prices quoted by dealers are entirely out of the range of inquiries made from Europe. Dealers can very well hold back just now, because they have forward contracts in hand of several hundred bales at prices ranging from 72*c.* per lb., usual assortment, downwards. Till these contracts are fulfilled it is hardly possible that prices will go down.

**CITRIC ACID** is steady at 1s. 4½*d.* per lb. for foreign powder and 1s. 4½*d.* for crystals.

**COCA-LEAVES.**—At Amsterdam on July 18 1,374 packages will be offered.

**CODEINE** has been reduced by 10*d.* per oz., the prices for the alkaloid and its salts now being :

|               | Small Lots.      | Contracts over 3 months.               |
|---------------|------------------|--|
| Pure cryst.   | 16s. 6 <i>d.</i> | 16s. 1 <i>d.</i> ... 15s. 10 <i>d.</i> |
| " precip.     | 16s. 6 <i>d.</i> | 16s. 1 <i>d.</i> ... 15s. 10 <i>d.</i> |
| Hydrochloride | 15s. 1 <i>d.</i> | 14s. 8 <i>d.</i> ... 14s. 5 <i>d.</i>  |
| Sulphate      | 15s. 1 <i>d.</i> | 14s. 8 <i>d.</i> ... 14s. 5 <i>d.</i>  |
| Phosphate     | 13s. 8 <i>d.</i> | 13s. 3 <i>d.</i> ... 13s. 0 <i>d.</i>  |

The prices are per oz. net, with no falling clause. The changes in price since last December are interesting, and are as follows : December 18, 20s. 2*d.*; March 28, 18s. 9*d.*; May 13, 18s. 1*d.*; May 25, 17s. 4*d.*; July 2, 16s. 6*d.*

**COD-LIVER OIL** is just a trifle better, 60s. c.i.f. being the price generally quoted. The Bergen oil-market is calm, and hardly any sales took place last week. The quotation for finest non-congealing cod-liver oil is unaltered, 56s. per barrel f.o.b. Bergen.

**COLOCYNTH.**—There has been an arrival of about five tons of somewhat brownish quality, the first for several months. Apple remains at 6*d.* to 7*d.* per lb. Good pale pulp is wanted.

**COPAIBA** is quiet, prices being slightly easier, and 2s. 2*d.* will probably buy bright filtered B.P.

**CORIANDER-SEED** is lower at 12s. 6*d.* per cwt. for Morocco.

**CREAM OF TARTAR** is dearer, prices being 83s. for 95 per cent. and 85s. for 98 per cent.

**CUMIN-SEED** is slow of sale at 22s. per cwt. for fair Morocco.

**DRAGON'S-BLOOD.**—Fifteen cases fine re-boiled lump, which is in fair demand, have arrived.

**ELECAMPANE** is tending lower, with quantity offering for shipment from Fiume at 29s. per cwt. c.i.f.

**ERGOT** is on the easy side, with no business being done.

**EUCALYPTUS OIL.**—It has only been a question of clearing up a few cheap parcels to make the market much stronger. From Australia we have confirmed the shortage owing to the drought, and the quotations are much higher than what can be bought on the spot. There is nothing on the spot under 1s. 4*d.* per lb.

**FENUGREEK-SEED** is worth 9s. 6*d.* to 9s. 9*d.* per cwt. for retail lots of Morocco, but the quotation for large parcels for shipment is 7s. 6*d.* to 8s. c.i.f. terms.

**GAMBOGE.**—Twenty-two cases have entered the Port of London.

**GINGER.**—Sales in Liverpool of 15 tons of Sierra Leone at 26s. to 26s. 6*d.* are reported.

**GLUCOSE** is nominally 14s., delivery not being obtainable.

**GUAIACUM** is inquired for, 1s. being the price for fair block. There is a scarcity of loose tears.

**GUARANA** is quoted at 7s. 6*d.* spot.

**HENBANE.**—The English crop is a fair average one, and there is no alteration in prices.

**INSECT-FLOWERS.**—The following is a report by a Trieste merchant :

I have just returned from my travels, which I undertake every year during and after the flowering period of the chrysanthemum, through the whole of Dalmatia and Montenegro. As regards the quantitative yield, it is on an average one-third less than it was last year, but as regards quality it can only be regarded as excellent. In very few districts here the blooms suffered from the rain, and are rather dark in colour. In many places, by reason of bad weather, there was no time to gather the buds. Various places, therefore, are supplying more open than closed flowers. As regards prices, I had to give nearly 25 per cent. more to the collectors than last year, not only on account of the unfavourable crops, but also on account of the dearness of things in general, and above all the dearth of workers. It is known that about 6,000 young men emigrate from Dalmatia every year to South America, and this reduction is acutely felt in agricultural districts.

**IPECACUANHA** is quiet, the value of Rio being unchanged at 8s. 9*d.* to 9s., and Minas 8s. 6*d.* There are no actual arrivals, although 20 packages are close at hand.

**JALAP** is quoted 11*d.* to 1s. per lb. for 6 to 7 per cent.

**KUROMOJI OIL.**—Recent consignments from Japan have arrived in France, and are offered at 15f. per kilo. Many

French pharmaciens are stocking this oil, as medical men are prescribing it with success in rheumatic cases.

**LEMON-JUICE.**—English pressed juice continues in fair demand, and further sales have been made at 1s. 6d. per gal. for prompt delivery.

**LEMON OIL.**—A Palermo advice dated June 29 states the demand from abroad has been somewhat more active, as second-hand holders would not give consumers better prices than they could get in Sicily. Holders thus easily obtained full prices for what parcels they had for sale, and quotations have been slightly raised. A more lively interest has also been shown in the new crop. Business is difficult owing to the different ideas of buyers and sellers as to value. The quotations per lb. c.i.f. are, last crop 6s. 8*1*/<sub>4</sub>d. and new crop 5s. 4*1*/<sub>4</sub>d.

**LIME-JUICE.**—A fair quantity has been put on the market, both from stocks in London and Southampton. This has relieved the situation, and, with the absence of summer weather, the demand is more than satisfied; the price quoted is somewhat lower at 2s. 3d. to 2s. 6d., according to quality.

**LINSEED** is easier at 70s. per quarter for fine Dutch, and 68s. 6d. for good new-crop Morocco. Oil lower at 41s. spot.

**LIQUORICE-ROOT.**—Common natural Persian variety can be had at 13s. 6d. per cwt., and whole decorticated at 30s.; cut decorticated is offered at 45s., 56s., and 65s. per cwt., the latter being scarce.

**MARJORAM.**—New crop rubbed is being offered for August shipment at prices ranging from 38s. to 45s. per cwt.

**MENTHOL** is again firmer; 23s. 6d. per lb. has been paid for spot Kobayashi, with few sellers at the price; for shipment July-August 22s. 3d. c.i.f. has been paid; November-January shipment is quoted at 19s. 3d. c.i.f. Suzuki might be bought at 23s. 3d. in case lots, but only small quantities of this kind are available.

**MERCURIALS.**—Following the rise in quicksilver to 8*1*/<sub>2</sub> 10s. per bottle, makers have advanced prices of mercurials by 1*1*/<sub>2</sub>d. per lb. Their list prices for assorted lots under 2 cwt. are as follows: White precipitate, 3s. 5*1*/<sub>2</sub>d.; corrosive sublimate, 2s. 10d.; calomel, 3s. 2d.; red precipitate, 3s. 5*1*/<sub>2</sub>d.; yellow oxide, 3s. 8d.; and white sulphate, 2s. 10d.

**MORPHINE** remains unchanged, with an easier undertone.

**NEROLI OIL.**—The Société Coopérative de Production des Propriétaires d'Orangers des Alpes-Maritimes are asking exaggerated prices for their flowers, but distillers have been able to supply their needs outside of the Convention, and have freely distilled. The crop of orange-flowers was announced as "very good," but the rains in May detracted somewhat from the results. Prices are relatively low, Bigarade petales extra offering at fr. 400, "superior" at fr. 360, and "surfine" at fr. 325 per kilo.

**OPIUM.**—No business is reported, the spot price for Turkey druggists' being 22s. to 25s. The offers of new crop to arrive are rather easier, but buyers are apparently awaiting developments, especially as Smyrna has been advising holders not to give way.

A Smyrna correspondent writes on June 21: Notwithstanding that the sales this week amount to five cases only, sellers continue to maintain a very firm attitude. They are all of one accord that the crop is short, and as soon as this is an established fact prices will advance, and will meet with a ready response from consumers. Prices are therefore firmly maintained at 18s. to 19s. for common low grades, and from 21s. to 24s. as to quality for druggists' Karahissars and Yerlis. The arrivals amount to 149 cases, against thirty at same date last year.

Another advice from Smyrna on June 25 states: The opium market is quiet, and likely to remain without any business doing for some time, considering that Salonica opium is cheaper. An order for ten cases 11 per cent. goods, which came on our market at 20s., was prevented being executed by some speculators, who immediately started bidding 20s. 9d. and 21s.

A Constantinople correspondent writes on June 23: The sales this week are two cases at 300 piastres and five cases at 240 to 245 piastres an oke. Three cases Malatia have also been exported as samples. The market remains quiet. Gathering continues under good conditions, and a

yield of over 7,500 cases is expected with lower prices. There is much activity in the interior at Salonica, the sum total of transactions being considerable, with higher prices in spite of important daily production. Apparently buyers are encouraged by demands from clients with depleted stocks who cannot wait for a propitious moment for purchasing. The arrivals at Constantinople are druggists' quality eleven and Malatia fifteen, against nine and none last year. The stocks are druggists' sixty-seven, soft three, and Malatia twelve, against druggists' 267, soft five, and Malatia twenty-three in 1911.

**ORANGE OIL** is in more active demand, holders being firm at 8s. 4*1*/<sub>2</sub>d. per lb. c.i.f. London. Sweet is quoted 8s. 1*1*/<sub>2</sub>d. for old and 6s. 9*1*/<sub>2</sub>d. for new crop.

**OTTO OF ROSE.**—Distillation of the new crop is finished, and extraordinarily high prices are asked. Buyers and exporters in Bulgaria have clubbed together and fixed a price beyond which they will not go. It remains to be seen whether the peasants will accept this. There is no real spot price.

**PEPPERMINT OIL.**—Wayne County still continues slow at prices ranging from 11s. 3d. to 11s. 6d. per lb. Japanese dementhosilised Kobayashi is quoted 6s. on the spot and 5s. 9d. c.i.f. to arrive. H.G.H. remains at 15s. 6d.

**QUINCE-SEED.**—Three bags have arrived from the Cape and no doubt will be offered at the next drug-auction.

**QUININE** is unchanged, 8*1*/<sub>2</sub>d. being the price for German, New B. & S. is quoted at 9d., and Java 8*1*/<sub>2</sub>d.

**RHUBARB** is higher, fine qualities of Shensi especially so, some which was obtainable at 2s. 3d. a week ago now being 3s. per lb. From 3d. to 1s. per lb. more is required all round, according to quality.

**SARSAPARILLA.**—The position is unchanged. Forty bales of grey Jamaica have entered for London, and nine bales of native have actually landed. Thirty bales of Mexican have also arrived.

**SENEGA.**—The new crop is being offered on fair average of the crop at 2s. 6*1*/<sub>2</sub>d. per lb. c.i.f. and 2s. 6d. for August-September shipment, which is cheaper. The output is reported to be much below the average.

**SENNA.**—Alexandrian half-leaf is wanted, none being left on the market or reported afloat.

**SHELLAC.**—Spot demand is slow. The quotation for fair TN is 62s., and for arrival July-August shipment 60s. 6d., and October-December shipment 61s. 6d. c.i.f.; AC Garnet, October-December steamer, buyers at 66s. c.i.f. Futures keep firm, but business is restricted in the absence of sellers, August delivery being quoted 62s., October buyers 63s., and December 64s.

**SODIUM HYPOSOPHITE.**—Pea crystals in 1-cwt. kegs quoted 6*1*/<sub>2</sub> 15s. per ton net.

**SPICES** are quiet. At auction the *Capsicums* offered included 66 bags Nyassa and 19 sold, red and yellow mixed perished at 19s. to 20s., and perished at 12s. 279 bags Bombay catalogued without reserve were withdrawn, and 8 bags ditto were bought in at 30s. 100 bags fair bright Japan *Chillies* were taken out at 32s. 6d. No *Cloves* were offered at auction, and spot demand is slow, fair Zanzibar being quoted buyers at 7*1*/<sub>2</sub>d. August-October delivery sold at 7*1*/<sub>2</sub>d., and for arrival March-May shipment at 7*7*/<sub>8</sub>d. *Ginger* continues dull, 526 bags and 37 cases Cochin and Calicut being bought in: A cut at 90s., C's at 70s., D rough at 40s., brown rough at 50s., and washed Cochin at 42s. to 43s. 100 bags Liberian were taken out at 30s., and 140 bags limed Japan at 30s. *Nutmegs* are quiet, the auction offerings of 34 boxes Singapore being bought in, 65s. at 1s. and 80s. at 7*1*/<sub>2</sub>d. Ten cases *Wild Mace* offered were bought in at 8d. At auction 27 bags Ceylon *Pepper* offered and sold at 5*7*/<sub>8</sub>d. for fair heavy, 40 bags Tellicherry being bought in at 5*7*/<sub>8</sub>d., and 37 bags Alleppy at 5*1*/<sub>2</sub>d.; *white* was not represented at auction, and no business has transpired, though prices continue steady. *Pimento* is easier, 40 bags fair selling out of 71 offered at 2*1*/<sub>2</sub>d.

**SUGAR OF MILK** is in very steady demand, with a tendency to go higher; 64s. to 66s. is quoted for prompt delivery, but forward contracts to the end of the year could be booked at slightly lower prices.

**TAMARINDS.**—The St. Jan has brought 322 barrels from the West Indies.

**TARTARIC ACID.**—For delivery ex the new crop the manufacturers are quoting 1s. 0½d. per lb. c.i.f. On the spot it is scarce at 1s. 0½d. and in good demand.

**TURPENTINE** has steadied, after prices sagged early in the week, and American spot is firmer at 34s. 3d.

**VANILLA.**—The small supplies at auction met with steady demand. *Madagascar*: 65 tins offered and 41 sold. Fair to good, 5½ to 8 in., 15s. to 17s.; 4 to 6 in., 14s. to 15s. 6d.; common, 3½ to 8 in., 9s. 6d. to 12s.; mouldy, etc., 6s. to 6s. 6d. *Seychelles*: Of 47 tins offered 24 sold. Fair to good, 7 to 7½ in., 17s.; 5 to 7 in., 14s. 6d. to 16s. 6d.; common, 11s. to 12s. *Mauritius*: 11 tins offered, 6 sold. Fair to good, 6½ to 7 in., 16s.; 5 to 5½ in., 14s. 6d.; common, 4½ to 6½ in., 13s. *Ceylon*: 8 tins sold. Fair to good, 4½ to 7 in., 13s. to 15s.; common, 12s. to 13s.; and 35 tins Ceylon character, common, 5 to 7 in., at 12s. 6d. to 13s. *Java*: 4 tins sold. Common, 5 to 8½ in., at 15s. 6d.; 3½ to 7½ in., 13s.; various, 12s. 6d. *West India*: 7 tins sold. Common, 4½ to 7½ in., 12s. 6d.; 3 to 5½ in., 12s.; mouldy, loose, etc., 4s. 9d. to 6s. 6d. *Tahiti*: 2 tins bought in.

#### Manchester Chemical-market.

July 2.

Outside the soap industry it is not very surprising, in view of industrial unrest and other inimical conditions, that merchants and agents are covering, in larger numbers than usual, their forward requirements in ammonia alkali. In other respects there is no change to note in caustic soda, soda crystals, or salteake. In sulphate of copper there is a continuance of the quiet demand. For prompt, best brands, delivered Manchester, the quotation is 24l. 17s. 6d. to 25l. 2s. 6d. For forward requirements 5s. to 7s. 6d. per ton is quoted. Nitrate of soda is steady. Borax has been in better inquiry, and 10s. per ton more is asked, except for Japan and Canada. Lump is quoted about 17s. per ton. Bichromate of soda and hyposulphite quiet, but there is a shade better feeling in phosphate. Pearl ash and potashes are quiet. Chlorate of potash is in better request for export. Bichromate slow. Yellow prussiate the turn dearer at 6d. per lb. First quality lump sal-ammoniac quoted 44l. per ton, seconds 42l., and ground 44l. to 46l. Sulphur in good demand. Flowers, 8l. 10s. per ton in 2-cwt. bags; roll, 6l. 12s. 6d. in 3-cwt. barrels; roek, 5l. 5s.; and recovered, 4l. 12s. 6d. to 4l. 17s. 6d.—all f.o.r. at works. Boric acid, following borax, has also been advanced 10s. per ton for most markets; crystals 25l. 10s. per ton and powdered 27l. 10s. per ton. Coal-tar products continue fairly steady. Sulphate of ammonia 14l. 7s. 6d. to 14l. 10s. per ton f.o.r. Manchester.

#### Heavy Chemicals.

A brisk demand is being felt by manufacturers, especially against existing contracts, and the miscellaneous business is also good, though it is largely confined to early forward requirements. The general tone of prices is firm, with tendencies towards advancement rather than decline.

**SULPHATE OF AMMONIA** is on the quiet side; Beekton, prompt, 25-per-cent. ammonia guaranteed, 14l. 1s. 3d.; London terms, 13l. 10s.; Leith, 14l. 10s.; Liverpool, 14l. 10s.; and Hull, 14l. 8s. 9d.

**BICHROMATES OF POTASH AND SODA**, although not very brisk, are moving at a fair average rate at unchanged values. Bichromate of potash, English and Scotch deliveries, 3½d. per lb., less 5 per cent., and export 3½d. per lb. net f.o.b. Glasgow. Bichromate of soda, English and Scotch deliveries, 3d. per lb., less 5 per cent., and export 2½d. per lb. net f.o.b. Glasgow.

**ZINC SALTS** are steady, with fair demand. Zinc-sulphate crystals 7l. to 7l. 5s., and zinc-chloride solution, 100° Tw., 6l. to 6l. 5s. per ton.

**MAGNESIUM SALTS** continue to move well, both on home and export account. Sulphate 62s. 6d. to 70s. per ton, chloride 67s. 6d. to 70s. per ton, and carbonate 30s. to 35s. per cwt.

#### American Drug-market.

New York, June 24.

The New York drug-market has developed little more than a routine inquiry in most departments, business in summer requirements being only mildly stimulated with the advance of the season. The present partial clearance of the political atmosphere is expected to result in considerable improvement in business generally, and these conditions will naturally be reflected in the drug industry.

**ALOES.**—Case Curaçao is in meagre supply on spot, and the weekly arrivals from primary sources are absorbed mainly for contract account, leaving the general market rather bare of the drug. The firm position at producing centres is generally attributed to lack of rain, which has delayed gathering of the crop. The yield is estimated to

be exceptionally poor this year, and the available supplies are concentrated in the hands of a few dealers at Aruba. Spot prices for cases are firm at 9½c. Cape is higher in sympathy, 8½c. to 9c. being asked.

**BALSAM PERU** is in short supply meantime, and prices are firmly maintained at \$1.75 for genuine. Synthetic is offered at \$1.40.

**BROMIDES** are in fairly brisk demand at the recent advance of 2c. Granular potash is in heavy supply, and is offered at the former price. An early further advance is expected, and the market is firm.

**BUCHU.**—The market is in poor supply of all descriptions. Shorts are firmly held for \$1.50, with higher prices in prospect.

**CASCARA SAGRADA.**—Spot demand has improved somewhat, and round parcels are held for 9c. to 9½c., according to age and quantity. The primary market is reported firm, with higher prices looked for owing to the small extent of the peeling so far. Old bark is quoted in car lots at 7½c. f.o.b. coast, the freight to New York bringing the laid-down cost to 8½c.

**COPAIBA.**—C. & S. American grades of direct importation are in limited supply, and prices are firm at 50c. to 55c. as to quality and seller. Primary markets are reported very firm. Hamburg descriptions are unaffected at 40c. to 42c., the supply from this primary source of production being more readily adjustable to the demand.

**EUONYMUS.**—Root bark is lower at 30c., as the result of more liberal supplies from primary markets. Stem bark is in quiet demand at 15c.

**HYDRASTIS** is in fair demand, and, with receipts from primary sources falling off, prices for fall-dug are very firm at \$4.90. Spring-dug is offered from the interior at \$4.60.

**IODIDES.**—All higher as the result of an advance of 25 per cent. in the price of erude by the syndicate working the Chilian sources, 15c. being now quoted in round lots. Domestic manufacturers have made a *pro-rata* advance in their schedules for resublimed and compounds. Stocks in second-hands are believed to be light, since, owing to the statistical position of the Japanese exports, conditions indicated a recession in prices.

**PEPPERMINT OIL (AMERICAN).**—Advices from producing sources in Michigan and Indiana continue normal in tone, great concern being now expressed regarding the possibilities of untimely frost affecting the forthcoming crop. The spot market is rather quiet, with "Wayne County" and U.S.P. offering at \$2.70, a decline of 10c. For H.G.H. \$3.35 is asked.

**SPEARMINT OIL** is 20c. higher at \$4.70 under an active demand and limited stocks.

#### Iodine in the Dutch Indies.

Dr. J. K. van Gelder, writing to "De Ingenieur" of June, points out that springs yielding water containing iodides have been found in many parts of the Dutch East Indies, but that the exploitation of these springs for iodine is rendered difficult, if not impossible, by the law governing mineral rights. It appears that iodine was not specifically mentioned in the Mining Act of 1899, and consequently the right to search for this product is vested in the owner of the ground. The land is held by small owners, and in order to prospect for iodine over a considerable area a large number of people have to be paid for their rights. Further, boring to a greater depth than 15 metres is not allowed without a special permit from the Governor-General, this rule having been made in order to conserve the supply of artesian water. On the State lands the smallholding difficulty is, of course, not encountered, and eight iodine-prospecting licences have already been issued for these lands. As a matter of fact, the small-holders' rights are often rather illusory, since if an iodine-spring is tapped by boring on one holding, it is easy by means of that bore to draw supplies from adjoining holdings. The curious system of land tenure in Java which causes the difficulty referred to above is described in the July number of the "Bulletin of the Imperial Institute" in connection with an account of the Java tobacco industry.

#### Java Cinchona.

In our issue of June 29, index folio 961, we outlined the present position of the proposals for the formation of a syndicate of Java cinchona-planters to control the price of bark. According to "De Indische Mercuur," a meeting of planters was held recently at Batavia, at which an amended proposal from the quinine-makers was discussed and rejected. The chief items of this new proposal were that the manufacturers were prepared to pay 5c. per unit for bark, provided the planters would undertake not to erect a new quinine-factory in Java. The same journal quotes "Java-Bode" as stating that the Association for

Promoting the Interests of Cinchona-planters recently held a meeting at Bandoeing to consider the next steps to be taken by the planters. The suggestion was made that the Government should be asked to erect a quinine-factory, but no vote was taken on the subject, as the delegates at the meeting had no power to commit the undertakings they represented to definite action. They propose to ask for instructions to vote on this proposal, and also on that previously put forward by the Planters' Committee, and a further meeting will be held on July 20, at which the votes will be taken. The meeting also decided that they would consider any further offer that might be made by the quinine-makers before July 1. Messrs. Lovink and Dinger have been added to the Planters' Committee, and Mr. G. Henny has replaced Mr. Weijs.

#### English Peppermint and Lavender Crops.

Holland's Distillery, of Market Deeping, in their annual report on the prospects of this year's harvest, write: "Last year we gave it as our opinion that prices would be normal in 1911, and although several reports were prevalent that the excessive sunshine and absence of rain would make prices considerably above the normal, the value of oil soon after harvesting was no higher than the previous year. Prices commenced round about 36s. per lb., but gradually lessened until 30s. per lb. was accepted for any quantity. . . . This season we have under cultivation a much larger area of peppermint than last year. It was a little unfavourable at the planting season, owing to absence of showers, and most of the young plants drooped and died off; but we were fortunate to have several showers in May, and immediately the fields were replanted. These have taken exceptionally well, look strong and healthy, and have come on exceedingly fast. With a continuance of the present weather we have every hope of realising a full crop, and certainly not a late one. Prices, we anticipate, will rule fair—certainly not above the average. The demand for lavender oil has increased, and owing to short stocks on hand the price has reached its old level; 50s. per lb. has been paid for prime oil."

#### Indian Cinchona.

The Committee for the Advancement of the Dutch East Indian Cinchona Interests has just published a new brochure entitled "De Gouvernement Kina-onderneeming en Kininfabrieken in Britisch-Indië," written by their Secretary, Heer Abrahamson. In a short notice of this pamphlet in "De Indische Mercuur" of June 18, Heer van der Wielen points out that the Indian Government does not set out to make a profit on its cinchona-plantations and factories, and goes on to say that one reason for this is that the cinchona-bark grown and used in India is poorer in quinine than the Java bark, and consequently the cost of producing quinine from it is higher. Allowing for this, however, the reviewer states that the cost of making quinine in the Indian Government factories appears unusually high, and suggests that the factories may be closed and supplies of quinine bought from Java, Europe, or the United States. In connection with this we may say we have reason to believe that the Indian Government carefully considered this question some years ago, and came to the conclusion that for the purpose of meeting the demands of their medical service and of selling quinine through the postal service at low rates to natives it would pay them best to continue to run their own factories. In recent years the Indian quinine-factories have bought bark from Java for the manufacture of quinine, and if the Java planters force up the price of bark the Indian Government may find it desirable to extend their own plantations.

#### Ergot.

At a recent meeting of the New York branch of the American Pharmaceutical Association at the New York College of Pharmacy, Dr. H. H. Rusby read a paper on "Ergot," in the course of which he said that the present season has been the worst in recent years for marketing ergot, and not 10 per cent. of the importations have been of standard quality. The fungus needs a hot and wet season, and the season just past was cool and dry. The result has been that the ergot-grains have not been plump. In preparing the ergot for export partially ergotised grains have been mixed in the shipment. The small, imperfectly shaped grains should have been sifted out; also much of it was sent to market before being thoroughly dried. This, Dr. Rusby asserts, causes 75 per cent. of the defects in ergot. A third element was the adulteration with 20 per cent. or more of water. "I can't say that the bags were dipped in water, but this was probably done," said Dr. Rusby. "as it is not likely the ergot would have taken up so much water in any other way." The constituents of ergot easily decom-

pose when the grains are subjected to heat, and when one constituent goes the rest follow. The fixed oil is the first to go—it becomes rancid. Then the other constituents go, and the grain turns brown. When ergot takes on a powdery appearance it is due to the presence of mites. The "sawdust" consists of microscopical insects. "We don't know whether the small, undeveloped ergot is as good as the standard grain, nor how it compares in efficiency with the large plump grains. The Government cannot give importers the benefit of the doubt, as the U.S.P. is the official standard." Shipments are rejected. As soon as the purity of the small grains is established, provision will be made for them in the U.S.P. Chemists and the pharmaceutical colleges should solve this problem. Dr. Rusby passed around specimens of ergot, showing the imperfectly formed grains, which had been sifted through a No. 16 sieve, the remainder consisting of mite-dust; 7 lb. of good ergot was obtained from one particular ton of ergot as imported. Dr. Rusby suggested that the Government should have a proper room where importers should be permitted to have their ergot cleaned for them.

#### London Drug Statistics.

THE following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of June, and to the stocks on June 30.

|                       | June   |         | Stocks  |         | 1912    |         |
|-----------------------|--------|---------|---------|---------|---------|---------|
|                       | Landed | Delivd. | 1912    | 1911    | Imprtd. | Delivd. |
| Aloes.....cs. etc.    | 198    | 62      | 1,279   | 1,441   | 807     | 840     |
| ".....gourds          | —      | 2       | 798     | 1,092   | —       | 294     |
| Anise, star.....cs.   | —      | —       | 63      | 71      | —       | 12      |
| Arrowroot.....pkgs.   | 27     | 563     | 3,707   | 3,832   | 6,378   | 5,042   |
| Balsams ..... cks.    | 12     | 20      | *146    | 277     | 42      | 195     |
| Calumba.....pkgs.     | 32     | 102     | 2,211   | 1,207   | 1,558   | 689     |
| Camphor....."         | —      | 146     | 1,567   | 2,560   | 3,741   | 4,153   |
| Cardamoms .....       | 227    | 169     | 614     | 1,659   | 1,331   | 1,821   |
| Cascara sagrada tons  | —      | 8       | 229     | 369     | 32      | 75      |
| Cinchona.....pkgs.    | 40     | 514     | 3,059   | 3,897   | 2,402   | 3,380   |
| Cochineal.....bgs.    | 5      | 68      | 228     | 187     | 166     | 282     |
| Cubeb....."           | 30     | —       | 111     | 69      | 31      | 87      |
| Dragon's-blood pkgs.  | 19     | 9       | 155     | 109     | 121     | 91      |
| Galls....."           | 176    | 181     | 3,095   | 2,383   | 3,018   | 1,861   |
| Gums—                 |        |         |         |         |         |         |
| Ammoniacum .....      | 8      | 12      | 67      | 19      | 92      | 29      |
| Animi .....           | 37     | 2       | 371     | 415     | 503     | 58      |
| Arabic .....          | 165    | 763     | 4,112   | 4,870   | 4,573   | 5,507   |
| Asafetida .....       | 2      | 46      | 1,033   | 1,204   | 1,349   | 985     |
| Benzoin .....         | 149    | 88      | 581     | 376     | 1,036   | 751     |
| Copal .....           | 1,390  | 3,136   | 18,197  | 27,022  | 15,293  | 22,933  |
| Damar .....           | 66     | 322     | 5,786   | 5,462   | 5,132   | 4,234   |
| Gamboge .....         | —      | 6       | 82      | 164     | 29      | 84      |
| Guaiacum....."        | —      | 4       | 37      | 23      | 27      | 28      |
| Kauri.....tons net    | 11     | 58      | 383     | 266     | 520     | 528     |
| Kino.....pkgs.        | —      | —       | 16      | 35      | 26      | 16      |
| Mastic....."          | —      | 2       | 15      | 25      | 5       | 10      |
| Myrrh, E.I. ....      | 28     | 17      | 551     | 383     | 370     | 237     |
| Obilanum....."        | —      | 36      | 482     | 586     | 150     | 306     |
| Sandarac .....        | —      | 40      | 567     | 986     | 611     | 630     |
| Tragacanth .....      | 1,880  | 1,208   | 10,944  | 5,364   | 14,369  | 6,743   |
| Ipecacuanha—          |        |         |         |         |         |         |
| Carta geua .....      | —      | 5       | 29      | 33      | 33      | 33      |
| E.I. (Johore) .....   | —      | 4       | 14      | 47      | 39      | 59      |
| Matto Grosso .....    | —      | 10      | 34      | 34      | 45      | 60      |
| Minas .....           | —      | 2       | 20      | 9       | 20      | 33      |
| Jalap .....           | 5      | 4       | 221     | 190     | 269     | 133     |
| Nux vomica.....pkgs.  | 100    | 173     | 138     | 258     | 524     | 466     |
| †Oils—                |        |         |         |         |         |         |
| Anise, star.....cs.   | —      | —       | 20      | 10      | 41      | 38      |
| Cassia .....          | —      | —       | 31      | 34      | —       | 6       |
| Castor.....pkgs.      | 51     | 120     | 198     | 198     | 662     | 676     |
| Coconut.....tons      | 4      | 48      | 1,111   | 342     | 1,286   | 459     |
| Olive.....pkgs.       | 271    | 253     | 2,163   | 1,963   | 2,866   | 2,240   |
| Palm .....            | 21     | 2       | 150     | 16      | 146     | 29      |
| Quinine.....lb.       | —      | 2,512   | 254,788 | 230,805 | 55,341  | 22,918  |
| Rhubarb.....cs.       | —      | 66      | 263     | 405     | 219     | 252     |
| Sarsaparilla.....lbs. | 36     | 56      | 214     | 315     | 388     | 398     |
| Senna.....pkgs.       | —      | 151     | 1,154   | 1,981   | 779     | 1,918   |
| Shellac .....         | 546    | 2,644   | 97,693  | 92,263  | 18,271  | 21,066  |
| Turmeric .....        | 25     | 27      | 295     | 298     | 117     | 155     |
| Wax—                  |        |         |         |         |         |         |
| Bees.....pkgs.        | 55     | 325     | 1,247   | 1,633   | 2,547   | 3,209   |
| Vegetable .....       | 50     | 66      | 466     | 759     | 329     | 410     |

\* Corrected.

† Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.



### Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

### National Insurance Act Dispensing.

SIR,—Every week, when my *C. & D.* arrives, I look to see whether anyone has begun to move against the doctors' attempt to throw a net around the chemists, in order that they may grab all the dispensing under the Insurance Act. Lloyd George has still to come to terms with the doctors, and I understand that the inquiries now being made are being met with statements which may lead to the doctors having the option to dispense their own medicines, where desired. On the other hand, our usual friends (the Pharmaceutical Society) are telling us to lie still and be quiet. They are going to make it all right for us. Some of us have been sent to sleep before, while, like Jacob of old, they have struggled with the angel, and all we have got has been a new name. Surely now is the time for an organised effort to see to our claim to do the nation's dispensing; for I believe that "John Bull" was right when he said that the surprising thing was that although the doctors were going to collar the dispensing the chemist was taking it lying down. Yours truly,

Hull. J. J. SPILMAN.

### B.P.C. in Edinburgh.

SIR,—On page 8 of the "Pink Circular" the following paragraph occurs :

"Members applying for Tickets are particularly requested to fill in the Form relative to Honorary Membership of the University Union, otherwise they cannot be allowed to make use of the Building."

This detail has been neglected by a large number of applicants for tickets, an omission which involves delay and extra correspondence. I should like to draw attention to the *absolute necessity* of filling in this form, without which I am unable to obtain and forward the necessary membership ticket. Under the rules of the Union, no one is allowed to make use of the building unless he is in possession of such a ticket, which must be produced when asked for. There is no charge for hon. membership of the Union. The names of ladies accompanying members must be entered on the form as guests.

Yours faithfully,

THOS. STEPHENSON,  
137 George Street, Edinburgh. Hon. Local Secretary.

### The "Minor" Age.

SIR,—In view of the coming British Pharmaceutical Conference, it will perhaps be not inopportune to bring forward the question as to the age at which the "Minor" may be taken. It seems rather an anomaly that a youth of, say, eighteen or nineteen, who by education and training stands a good chance of satisfying the examiners, should be debarred from going in for another two or three years. In some other professions the qualifying degrees may be taken at any time, though the diplomas are withheld until the statutory age is reached. Could not the same rule be usefully applied to pharmacy? A concession of this kind would enable successful candidates to go on with the same lines of study without appreciable break, at an age when knowledge is more easily assimilated, and would probably result in an increase in the number of aspirants for the "Major."

Yours faithfully,

Bradford.

JOHN HARPER.

### When in Doubt, Ask the "C. & D." Editor.

SIR,—I am in business in a seaside town. I sell wines, spirits, and tobaccos, as well as the other things that chemists usually sell—*i.e.*, dummies, toilet-paper, shampoo-powders, and sometimes drugs, with an occasional prescription. The Shops Act has come into force in our little town with this result : one section of the tradespeople has decided to close on Tuesdays, another on Wednesdays, and yet another on Fridays. As you are aware, all trades deal in the articles usually vended by chemists. Now, what would you do in my case? I am exempt in the matter of tobaccos, wines, etc.; but if a person has come down for an afternoon to the seaside with a baby and lost the soother, would you supply a new one on the plea that it is a surgical appliance? [Only if you are satisfied that it is "required in the case of illness."—EDITOR.] Or in the case of a young lady who has forgotten that the sun's rays are more active at the seaside than in town, in the ratio as four is to one, or more likely she never knew; am I to refuse that said young lady the powder she wants, fearing it is to be used as only a beautifier? [Not if you are satisfied as to the sun's effects.—EDITOR.] Then another little maid comes in for threepennyworth of eau de Cologne for headache. Must I tell her also it is wrong and wicked to sell eau de Cologne on Wednesdays. [No; supply it.—EDITOR.] We are only two chemists in the town (that is, registered), and owing up frankly that we belong to the long-hour, short-pay system. Oh! that Lloyd George would espouse our cause. There are, I believe, a lot of men registered as chemists who die comparatively well off, but I question whether a tithe of them make their money in the legitimate trade of chemist and druggist. I have written to our county council for exemption to myself and friend aforesaid, but the answer is, "The county council see no reason for exemption." We two want occupation in the winter, yet in the summer we have to tell our customers to go to the fancy shops for what we cannot supply. This "close when you please" business is too ridiculous for words, and if you can help us out of the difficulty we shall be ever grateful to you.

Yours faithfully,

L. A. W. (222/44.)

[A good deal of hair-splitting is inevitable under an Act of this nature, but we are satisfied that if chemists loyally and unremittingly carry out the provisions they will not be troubled when in urgent cases they sell goods which are medical and surgical in character and not in the fancy-goods line.—EDITOR, *C. & D.*]

### Poisoned Grain Prohibition Act.

SIR,—S(elf) and F(riend) have an argument. F. wished to place poisoned grain to destroy starlings and other birds which were devouring his garden crops. S. said that according to the *C. & D. Diary* the meaning of the Act was plainly that he might not do so without laying himself open to a criminal prosecution. F., although refraining from sowing the grain on the off-chance that S. might be right, argued that nothing can be more *bonâ-fide* agricultural than his desire to protect his crops. S. will be extremely grateful if you will settle the question in your Correspondence column. Can you refer to any recent prosecutions under this Act? Yours truly,

Stratford-on-Avon.

A. C. BULL.

[Section 3 of the Poisoned-grain Act is as follows : "Every person who shall knowingly and wilfully sow, cast, set, lay, put, or place, or cause to be sown, cast, set, laid, put, or placed, into, in, or upon any ground or other exposed place or situation, any such grain, seed, or meal which has been so steeped or dipped in poison, or with which poison or any ingredient or preparation has been so mixed as thereby to render such grain, seed, or meal poisonous, and calculated to destroy life, shall, upon a summary conviction thereof as hereinafter provided, forfeit any sum not exceeding ten pounds."]

In our last volume we reported a case under the Act in which a man was fined 5*l.* and 30*s.* costs for selling grain poisoned with strichnine. In the previous volume we reported that a farmer was fined 5*l.* and costs under the Act for laying grain poisoned with strichnine in his fields, as a result of which larks were poisoned and afterwards sent for sale to Leadenhall Market for human consumption. In another case a fine of 2*l.* and 1*l.* 6*s.* costs was imposed for laying poisoned grain.—EDITOR *C. & D.*]

### Legal Queries.

Consult "The Chemists' and Druggists' Diary," 1912, pp. 435 to 454, where most legal difficulties are anticipated, before writing about your difficulty.

**Nemo** (219/9).—Creosote contains much more than 3 per cent. of homologues of phenols; in fact, it is entirely composed of guaiacol, creosol, and other phenols.

**D. & H.** (224/28).—Two men employed by a chemist-dentist to perform solely the mechanical work of dentistry in a workroom are not shop-assistants within the meaning of the Shops Act.

**Trochisci** (221/10).—The label for your packet of Brompton Hospital cough-lozenges makes them liable to duty, because you do not disclose the composition or the formula. The letter is P.F., p. 495.

**R. W.** (226/53).—In England six months' notice, to expire at the term upon which the tenancy commenced, is required to quit. You must give notice at Midsummer Day to determine the tenancy at Christmas.

**Mortar** (212/72).—If the name of the preparation is original to you it may be protected by trade-mark, or the label itself may be registered as a trade-mark, for which see particulars in the *C. & D. Diary*, p. 203.

**Muc. Acac.** (225/6).—A company which uses the title "Cash Chemists" without having a qualified chemist on the directorate, but simply a qualified chemist as superintendent, infringes the Poisons and Pharmacy Acts and is liable on conviction to a fine of 5*l.*

**Irishman** (213/24) would like to know the name of a society which will pay back Health Insurance premiums—(1) in the event of his income exceeding 160*l.* per annum, or (2) his leaving the country at any future time. [We are not aware of any such society, and the benefits of the Act are partly based upon there being total surrenders such as "Irishman" anticipates.]

**Naphthol** (224/9).—The penalty for the use by limited companies of the title "Pharmacist" is 5*l.* for every occasion on which it is used. That is to say, every copy of a handbill or label bearing the title "Pharmacist" or "Pharmacists" sent out by a limited company means a penalty of 5*l.*, which can be sued for by the Pharmaceutical Society of Great Britain.

**Llanrwst** (219/43) is employed by the Post Office from 6 till 9 in the morning, and thereafter by a chemist. He asks if it is the chemist that has to insure him or the Post Office? [The question should rather be, who is to stamp his card? The Act requires that the first employer each week shall stamp the card, and the other employers have to share the cost *pro rata*. The Post Office must, therefore, stamp the card.]

**Tablets** (226/23).—(1) The drug department of a co-operative society managed by a qualified chemist will be allowed to dispense under the National Insurance Act if the co-operative society carries on the business of a chemist and druggist under the provisions of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908. The provisions referred to are that the drug department has a superintendent who is a registered chemist, and that the manager of it (if not the superintendent) is a registered chemist. It is not necessary that the superintendent or manager should be a member of the board of directors unless the society uses the title "Chemist and Druggist" or its equivalent. (2) Such a company may sell known, admitted, and approved remedies unstamped.

**Postale** (226/30) employs a servant three days per week. Previous to her starting work for him about 10 A.M. she is employed daily delivering letters for the postal authorities, and by this she earns more than "Postale" pays her. Is he liable for insurance payment? [Yes; but the Post Office, as the first employer in each week, is charged with the duty of stamping the servant's card and obtaining from "Postale" a *pro rata* proportion of the weekly amount payable by the employers, according to the earnings of the servant. The Commissioners may certify Post Office employés for exemption under certain conditions, but it has been reported that Crown employés who otherwise come under the Act are to be insured, and any benefits which they receive under the Act will be deducted from the official sick-pay.]

**Hants** (224/14) puts the following questions under the National Insurance Act: In the event of dispensing being done by chemists, who pays the chemist's bill—societies or

local committees? If societies, would it be open to any store or cutting-man to approach the societies and offer to do the work at less than the agreed-upon scale or price per head? [The Insurance Committees are responsible for the entire arrangement and control of medical benefit, whether the insured persons are members of approved societies or not. It is further provided that the Friendly Societies shall pay to the Insurance Committees an agreed-upon sum in respect of the medical benefit for their members residing within each committee's area, so that the Insurance Committees, and not the societies, will pay chemists for the dispensing. There is, however, power in the Act to authorise the transference of medical benefit to the societies in certain eventualities, and the possibility of "cutting" is being reckoned with by the Pharmaceutical Committees.]

**North Wales** (219/50).—A landlord refuses to grant a new lease unless the lessee undertakes to pay any reversion duty payable at the end of the term. "North Wales" wishes to know what reversion duty is, and also what increment duty is, and by whom they are respectively payable. Can a vendor stipulate in the conditions of sale that the increment duty must be borne by the purchaser? [Reversion duty is a duty of 10*l.* per cent. on the amount by which the total value of the property at the determination of the lease, after making certain deductions, exceeds the total value at the time of the original grant of the lease. No reversion duty is payable where the original term granted did not exceed twenty-one years. The duty is payable by the lessor, but he may throw the liability upon the lessee if he is able to do so. Increment-value duty is a duty of 20*l.* per cent. payable in respect of the increase of the site value of property accruing after April 30, 1909. It is payable on any of the following occasions: (1) On sale; (2) on grant of a lease for more than fourteen years; and (3) on death. A corporation must pay the duty at fixed periods. Increment-value duty is payable by the vendor, or lessor, and any contract for the payment of the duty by the purchaser, or lessee, is void (Revenue Act, 1911, Section 1).]

**S. S. S.** (214/62) wishes to know (1) whether it is permissible to use industrial bay-rum (*i.e.*, bay-rum made with industrial methylated spirit) in the making of hair-lotions; and (2) whether liniments of aconite, belladonna, camphor co., and soap, all of which have been prepared with industrial methylated spirit, may be used as ingredients or as bases for any other compounded lotions or liniments, whether prepared in accordance with a prescription or otherwise; and (3) whether these articles can be prepared without a methylated-spirit retailer's licence. [In reply to (1) and (2) questions, industrial methylated spirit may only be used for the purposes for which permission has been expressly allowed by the Board of Customs and Excise (see *C. & D. Diary*, 1912, p. 452). If, therefore, "S. S. S." has the Board's sanction for making a hair-lotion, the formula of which has been officially approved by the Board, and the dissolving of the oil of bay in industrial methylated spirit is merely one of the processes carried out upon his own premises in the manufacture of the article, then there is, of course, no objection to the use of the industrial methylated spirit for the particular purpose. But if "S. S. S." means to use industrial bay-rum as an ingredient in the manufacture of hair-lotions, and if he has not himself prepared that article, he will, unless he has previously obtained the sanction of the Customs and Excise authorities, find himself acting in conflict with the law and regulations. This, of course, also applies to the use of industrial methylated spirit in the manufacture of the liniments of aconite, belladonna, compound camphor, and soap. The Excise General Order, dated March 7 last, points out that articles made in this way by manufacturing chemists are not to be used by others as bases in the manufacture of other preparations. Such an order is quite in keeping with the letter of the law, as the further use of a preparation made with industrial methylated spirit could not be considered a use for a purpose for which permission had been given. In reply to question (3), the licence referred to is not required merely for the use of industrial methylated spirit. Where the Board's permission to receive such spirit for use in any art or manufacture is given, the only cost to which the user is put is in defraying the cost of the stamp-duty on the bond and of engrossing the bond for the proper use of the spirit when such an undertaking is required. Where no bond is required, no charge of any description is officially made. It only remains to add that where a licensed retailer of methylated spirit desires to use the spirit, whether industrial or mineralised, in any art or manufacture, he must obtain the permission of the Board of Customs and Excise for the use, and must obtain all his spirit from an authorised methylator.]

### Miscellaneous Inquiries.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published prices, usually 6d.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

*W. G. B.* (209/1).—You do not give your name in your communication.

*Importers* (209/65).—BATH-SALTS.—See *C. & D.*, May 4, index folio 664.

*W. E. P.* (213/31).—FREEZING-SALTS.—See *C. & D.*, April 27, index folio 650.

*A. C.* (52/29).—Phosphorus-paste is not a scheduled poison in Great Britain.

*O. F.* (211/57).—We do not know the formula of the proprietary article to which you refer.

*D. S. A.* (16/6).—CAMPHOR-PHENOL is a compound formed by rubbing together equal parts of carbolic acid and camphor until a liquid is produced.

*F. M. & Co.* (42/29).—There are full instructions for preparing soluble essence of lemon in "Pharmaceutical Formulas" which you have purchased.

*H. K. W.* (212/35).—MARKING UNGLAZED EARTHENWARE.—We think you will probably find a tar solution answer the purpose you require, or a solution of asphaltum in turpentine.

*W. E. G.* (204/18) asks for information regarding a granular mobile powder called "Pestanella," employed for ornamenting picture-frames. The granules have the appearance of tiny polished pieces of glass.

*Nemo* (215/34).—(1) VETERINARY MEDICINE.—"Veterinary Counter-practice," (Office of *C. & D.*, 4s.) fills your requirements. (2) "Opening a Pharmacy," (Office of *C. & D.*, 2s. 6d.). These books can be obtained through any wholesale house.

*Toilets* (212/18).—SKIN-CREAMS.—These are dealt with so fully in "Pharmaceutical Formulas" that we can add nothing more for the present. Experimental work must be carried out if none of the recipes there given is suited to your requirements.

*Tab* (212/15).—POWDER FOR ORNAMENTING SHOWCARDS.—This powder, which is mixed with water and used by means of an icing syringe, consists of starch and zinc oxide. It forms raised letters on showcards. The powder, we think, requires the addition of a small proportion of dextrin or the use of a little mucilage, so as to give it permanence when employed on the showcards.

*W. H.* (211/27).—HAIR-RENOVATOR.—We believe that a solution of bismuth acetate is employed in place of lead lotions for use as a hair-restorer. A suitable solution is made as follows:

|                 |     |     |          |
|-----------------|-----|-----|----------|
| Bismuth acetate | ... | ... | 0.5 gram |
| Glycerin        | ... | ... | 5.0 c.c. |
| Water           | ... | ... | 95 c.c.  |

It has also been suggested that resorcin and sodium hyposulphite are employed, but we have no definite information on this point.

*Nemo* (214/5).—COLOURING CARBOYS.—The following method for colouring the inside of carboys was devised by Mr. T. Malthby Clague, of Newcastle-on-Tyne:

|                  |     |     |                 |
|------------------|-----|-----|-----------------|
| Aniline dye      | ... | ... | gr. xv. to xxv. |
| Gelatin (bright) | ... | ... | 5j.             |
| Water            | ... | ... | 5vj.            |
| Carbolic acid    | ... | ... | 5j.             |

Soak the gelatin in water, dissolve the dye in warm water, and next add the softened gelatin and warm till melted, then add the carbolic acid. When the solution has cooled to about 150° F., pour it into the carboy, previously placed in a warm position until it has acquired a temperature of from 90° to 100° F. [A cloth dipped in hot water and carefully applied outside heats the carboy nicely.] Now keep turning it upside down and round about until the gelatin shows signs of setting, then put it on its stand and

allow the jelly not adhering to the sides to settle to the bottom. Leave the stopper out for a few hours.

The following colours have been tried: Malachite green, 25 gr. to 6 oz. is required; methylene blue, 15 gr.; methyl violet, 15 gr.; flamingo, 15 gr.

*H. W.* (213/36).—ESSENCE OF VANILLA.—The product from your recipe is only about half the strength of a good essence of vanilla. The following is the best formula with which we are acquainted:

|                          |     |     |        |
|--------------------------|-----|-----|--------|
| Fine vanilla (cut small) | ... | ... | 3j.    |
| Grain musk               | ... | ... | gr. j. |
| Carbonate of potassium   | ... | ... | gr. x. |
| Boiling water            | ... | ... | 3iv.   |

Put the solids in a flask and pour the boiling water in. Cork and agitate slightly. Set aside until cool and add

|        |     |     |     |     |       |
|--------|-----|-----|-----|-----|-------|
| Spirit | ... | ... | ... | ... | 3xij. |
|--------|-----|-----|-----|-----|-------|

Macerate two weeks, and filter.

Without the musk and salt of tartar the product is good. The method of preparing the essence should be noted.

*W. G.* (210/55).—MANURE FROM CATTLE AND FISH-WASTE.—There does not appear to be any book dealing solely with this subject, although there are references to the matter in publications referring to trade-wastes. In Simmond's "Waste Products"—an out-of-print book—for example, it is stated that fish offal has been employed for the manufacture of a fertiliser equal in activity to guano. The process is to cook the fish by means of steam, press to extract the water and oil, rasp the pressed mass, dry it, and finally reduce it to powder. One hundred parts of offal yields 22 parts of fish guano besides 2 to 2½ per cent. of oil. Of the manure, 4 to 5 cwt. is used per acre. Lezé's "Utilisation des débris des animaux" (Armat, Paris, 1907) deals especially with the utilisation of parts of animals other than that sold as meat. This may be useful to you.

*B. I. C.* (213/72).—AGAR-AGAR is best taken in small pieces, not in powder. Cut the strips into pieces about a quarter of an inch in length, and put up 1-drachm packets of the cuttings. It is most agreeably taken in milk, soup, mince, or stewed fruit. It absorbs moisture and increases largely in bulk after it has been swallowed; hence its utility. On account of its properties it is not practicable to combine it and liquid paraffin in a preparation that would be presentable and at the same time effective. Liquid paraffin may be taken plain with a little milk or in the form of an emulsion, which you can prepare in the conventional way, with acacia and tragacanth as emulsifiers. About a quarter of a grain of saccharin and half an ounce of undiluted orange-flower water to half a pint just relieve it from the suggestion of being "tasteless."

*Neptune* (216/54).—CIDER AS A BEVERAGE IN GOUT.—There is a difference of medical opinion as to whether cider should be taken in gout, but the position is concisely stated by Haviland in "The Lancet," July 26, 1902, as follows: Sound cider—that is, completely fermented and containing neither acid nor sugar—is equivalent to a sound and dry wine, and may be taken by the gouty with benefit. Sweet cider, on the other hand, is hostile to those disposed to gout, "on the principle that when sugar and alcohol meet in the stomach they become mischievous." Another authority states that the cider should be unfiltered and well fermented, and have been allowed to stand in the cask for some months to brighten. In this way the sugar is got rid of, and "cider may then be drunk with great benefit by gouty or rheumatic people, and is one of the very best beverages for them." Most makers of cider prepare a "dry" cider for the gouty in accordance with the above recommendations.

### Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," July 15, 1862.

#### Patent.

3012. R. C. Perry. An improved infant's feeding bottle. Dated Nov. 29, 1861. This consists in the application to ordinary feeding bottles of a novel form of valve. The valve is made of caoutchouc, or other elastic material, and is in the form of a short tube, one end of it being attached to the cock or stopper of the feeding bottle, the other end projecting a short distance into the bottle, and terminating in an orifice of about the same size as the outer diameter of the suction tube which passes through it; a perforation in the cock or stopper admits air to the interior of the valve, where the pressure caused by the withdrawal of the liquid contents of the bottle expands the opening at the extremity of the valve, and admits air to the interior of the bottle; but in the case of the bottle being reversed or overturned, the contents will not pass out. Patent completed.

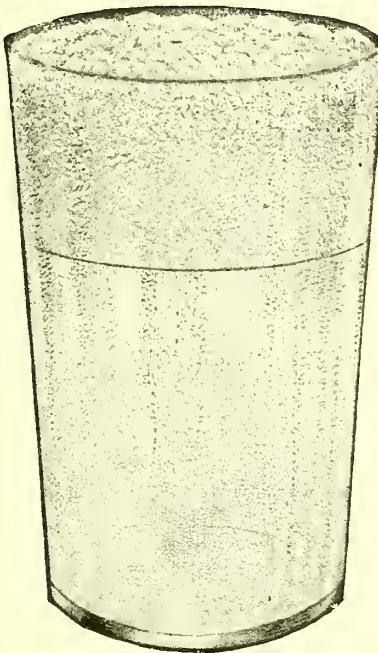
JULY 6, 1912

THE CHEMIST AND DRUGGIST  
SUPPLEMENT

# ALFRED BISHOP, Ltd.

—SPECIALISTS IN—  
*Effervescent Products.*

BISHOP'S  
Natural Fruit Saline  
(Sugarless), P.A.T.A.  
Citrate of Magnesia.  
Registered Design.  
Citrate of Magnesia.  
Second Quality.  
Liver Saline.  
Universal Saline.  
Grape Saline.  
Health Saline.  
In Tins.



VARALETTES.  
Gout, Vichy,  
Kissingen, and  
other Mineral Water Salts.

Granular Effervescent  
Caffeine, P.A.T.A.  
Calculus.  
Citrate of Lithia.  
Citrate of Piperazine.  
Livura, P.A.T.A.  
Sulphate of Soda, &c.

**All Bishop's Effervescent Preparations  
form Clear Sparkling Solutions.**

*Write for Samples and Prices, free on application.*

**ALFRED BISHOP, Ltd.,** Manufacturing  
Chemists, . . .

"Speck's Fields," 48 Spelman Street,  
Mile End New Town, LONDON, N.E.

ESTABLISHED 1857.

# BRUNNER, MOND & CO.'S

• • • • •  
Alkali  
Products.



• • • • •  
Crescent  
Brand.

**These products are made by the Ammonia Process, and are distinguished from others by their great purity.**

**Bicarbonate  
of  
Soda.**

**This Bicarbonate answers all the requirements of the British Pharmacopœia.** It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

**Concentrated  
Crystal  
Soda.**

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda ; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade ; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

**Pure Alkali.**

58 Degrees.

A dry, white powder : dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda ; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

## Pure Soda Crystals Caustic Soda.

Manufactured from pure Carbonate of Soda, and supplied of all degrees of strength.

## Bleaching Powder. Carbonate of Ammonia (Lump and Powder).

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

**BRUNNER MOND & CO., LIMITED, NORTHWICH, CHESHIRE.**

AS A RESULT OF CAREFUL EXPERIMENT WE ARE NOW  
ABLE, IF DESIRED, TO SUPPLY YOU THROUGH YOUR WHOLE-  
SALE DRUGGIST WITH

## BISMUTH SUBNIT.

OF WHICH 1 LB. WILL FILL A 32-OZ. BOTTLE.

## BISMUTH CARB.

OF WHICH 1 LB. WILL FILL A 40-OZ. BOTTLE.

## BISMUTH SALICYLAS

OF WHICH 1 LB. WILL FILL A 50-OZ. BOTTLE.

WHEN ORDERING, SPECIFY "HOWARDS' SPECIAL LIGHT."

THE ABOVE ARE SOLD AT LOWEST COMPETITIVE MARKET RATES.

**HOWARDS & SONS, LTD.,**  
**STRATFORD and ILFORD, LONDON.**

# HUBBUCK'S PURE OXIDE OF ZINC.

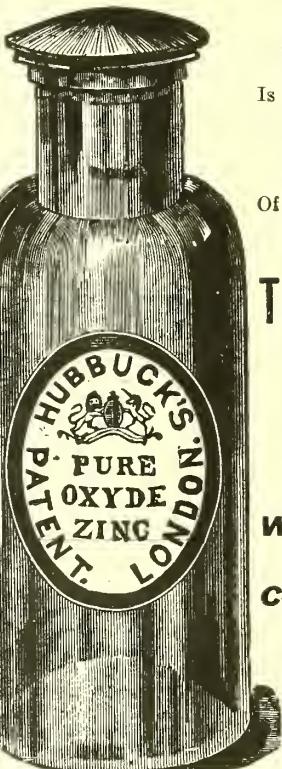
Sold by the following Wholesale Druggists in Boxes of 7 lbs. and 14 lbs. stamped by the Manufacturers; also in 1-lb. Boxes and 1-lb. Glass Bottles:—

Allen & Hanbury's (Lim.).  
Baiss Bros. & Stevenson (Lim.).  
Barron, Harveys & Co.  
Bell, Jno., & Co.  
Bleasdale (Lim.) [(Lim.)].  
Boots' Pure Drug Co.  
Burgoyne, Burbidges & Butler & Crispe [Co.]  
Clay, Dod & Co.  
Cockburn & Co. (Lim.).  
Corbyn, Stacey & Co.  
Dakin Brothers.  
Davey Hill & Co.  
Duncan, Flockhart & Co.  
Evans, Gadd & Co.  
Evans Sons Lescher & Webb (Lim.).  
Ferris & Co.  
Gale & Co.  
Glasgow Apothecaries' Co.  
Glasgow New Apothecaries' Co.  
Goodall, Backhouse & Co.  
Harker, Stagg & Morgan.  
Harkness, Beaumont & Co.  
Hatricks, W. & R., & Co.  
Hearon, Squire & Francis.

Hirst, Brooke & Hirst.  
Hodgkinson, Prestons & King.  
Hodgkinsons, Clarke & Ward.  
Horner & Sons.  
Huskisson, H. O., & Co.  
Inman's Stores (of Edinboro).  
Ismay, John, & Sons.  
Lofthouse & Saltmer.  
Oldfield, Pattinson & Co.  
Pinkerton, Gibson & Co.  
Raines, Clark & Co.  
Raines & Co.  
Rankin & Borland.  
Silversides, R. B. G.  
Southall Bros. & Barclay.  
Sumner, R. & Co.  
Taylor, James.  
Thompson, John (Lim.).  
Willows, Francis, Butler & Thompson.  
Woolley, Jas., Sons & Co. (Lim.).  
Wright, Layman & Umney (Lim.).  
Wyleys (Lim.).

Barry, E. J., New York.  
Carter, Carter & Kilham, Boston.  
Finlay & Branswig, New Orleans.  
Langley & Michaels, San Francisco.  
Lehn & Fink, New York.

McKesson & Robbins, New York.  
Muth Brothers & Co., Baltimore.  
Roller & Shoemaker, Philadelphia.  
Schieffelin, W. H., & Co., New York.  
Shoemaker, R. & Co., Philadelphia.



## HUBBUCK'S PURE OXIDE

Is made by Sublimation, and is Warranted to contain upwards of

**99 PER CENT.**

Of Pure Oxide; in fact the impurities are not traceable.

**THOS. HUBBUCK & SON,**

(Established 1765). LTD..

**24 LIME STREET,  
LONDON, E.C.**

Manufacturers of—

**White Lead, White Zinc,  
Paints, Oils,  
Colours, Varnishes, &c.**

AUSTRALIAN OFFICE —  
34 QUEEN STREET, MELBOURNE.

The Manufacturers supply their Pure Oxide Wholesale only, in quantities of not less than 2 cwt.

**GOLD MEDAL, Cape Town International Exhibition, 1904-5.**



**LIQ. SANTAL. FLAV. c. BUCHU ET CUBEBA** (HEWLETT'S).

**THE ORIGINAL PREPARATION**

Many pharmacists have assured us that even when the name "HEWLETT'S" is not appended to the above title they invariably dispense HEWLETT'S preparation, as they know from experience that it is the best, that it keeps indefinitely, and universally gives satisfaction, whilst imitation preparations vary so considerably, not only from the original but from each other, that patients notice the difference, and complain.

Price 1 1s. per lb. packed, for dispensing only, in 10, 22, 40, and 90 oz. Bottles.

INTRODUCED AND PREPARED ONLY BY

**C. J. HEWLETT & SON, Ltd., Wholesale and Export Druggists**  
35 TO 42 CHARLOTTE STREET, LONDON, E.C.

## CONCENTRATED CADINOL

FOR ALL SKIN TROUBLES.

Retail @ 1/9.

Wholesale - 16/- per doz.

3 doz. lots @ 15/3 ..

Gross lots @ 14/6 ..

Stocked by

EVANS SONS LESCHER & WEBB. MAY, ROBERTS & CO.  
BUTLER & CRISPE. BARCLAY & SONS, Ltd.  
AYRTON, SAUNDERS & CO., Ltd.

We are Large Producers of

**BENZOATE OF SODA  
AND  
BENZOIC ACID**

Buyers please apply for particulars to  
No. 209/10, Office of this Paper.

Since 1780 we have been continuously associated with the handling of Drugs and the manufacture of Pharmaceutical Preparations, and during the past three-quarters of a century or more have specialised in the production of ALKALOIDS, ANÆSTHETICS, ANTISEPTIC LISTERIAN and other SURGICAL DRESSINGS. Undernoted is a list of some of the articles which we can offer to advantage :—

Morphine

Codeine

Apomorphine

Aceto-Morphine

Ethyl-Morphine

Cotarnine

Narcotine

Papaverine

Beberine

Berberine

Homatropine

Hydrastine

Strychnine

Veratrine

### **Chloroform & Ether**

of highest possible purity,  
for Anæsthesia.

### **Surgical Dressings**

in which uniformity of  
medication is  
guaranteed.

Aloin

Caulophyllin

Chrysarobin

Euonymin

Hamamelin

Iridin

Leptandrin

Podophyllin

Salicin

Scammony

Resin

Spirituous

Galenicals

in bond

*For Wholesale and Export only.*

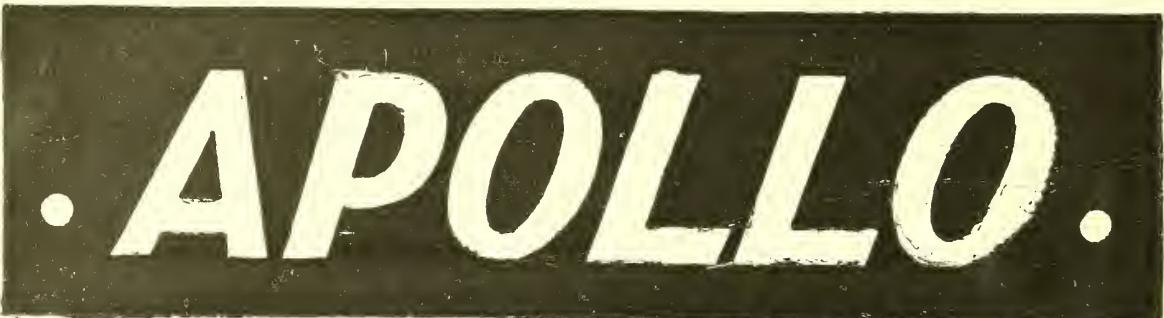
**J. F. MACFARLAN & C<sup>o</sup>**

*Manufacturing  
Chemists :: ::*

**Edinburgh & London.**



∴ The NEW PURE LIQUORICE Juice ∴



The makers of the well-known brands of Pure Block Juices "V.B." and "B.X.," who are the largest manufacturers of Liquorice in the World, beg to notify the Trade that they now manufacture a high-class **PURE STICK JUICE** which they have placed on the market under their registered brand "**APOLLO.**"

The same guarantee of absolute Purity, which for the past sixty years has been given with their Block Juices, equally applies to their new stick "**APOLLO.**"

Can be obtained of all the leading wholesale Houses.

**APONAL** "ZIMMER'S," **HYPNOTIC**, in powder and  $7\frac{1}{2}$ -grain tablets.

**EUQUININE**, "ZIMMER'S," the well-known "tasteless quinine," powder and tablets.

**VALIDOL**, "ZIMMER'S," antihysteric, antineurasthenic, estorative, stomachic, seasickness remedy. Liquid, tablets, pearls, &c.

**ALLOSAN**, "ZIMMER'S," powder and tablets, antigenorrhœic.

**ESTORAL**, "ZIMMER'S," powder; Estoral Snuff; boxes with glass tube. Rapid cure of common cold, &c.

**Aristochin**, **Bromvalidol Tablets**, **Dymal**, **Eunatrol**, **Eustenin**,  
**Lygosin-sodium**, **Rheumatin**, **Saloquinine**, **Urosin**.

Stocked by Sole Agents for U.K.: **WIDENMANN, BROICHER & CO., 1 Fenchurch Av., LONDON, E.C.**

WRITE FOR PRICE LIST AND PARTICULARS.

**Anglo-Indian  
Drug & Chemical Co.  
BOMBAY (INDIA).**

Agents for [COD LIVER OIL  
WATERBURY'S COMPOUND OF  
" PINOZYME.  
GUDERIN.  
LAVONA DE COMPOSEE.  
ARSENAURO and MERCAURO,  
and several preparations by  
Messrs. H. K. Mulford Co., Philadelphia.

**BRADY & MARTIN, LTD.**  
1855 were awarded a 1911  
**Grand Prix & Two Diplomas of Honour**

for their exhibit at Brussels, 1910, comprising among other pharmaceutical products a series of preparations made and physiologically tested in their own laboratory.



*Manufacturers of*  
Gelatine & Glass Capsules, Milled  
Ointments, Pearl and Gelatine  
Coated Pills, Tablets, and all  
Pharmacopœial Preparations.

**Northumberland Road, NEWCASTLE-UPON-TYNE.**

# Early Morning Salt.

**CONTAINS  
NO SUGAR.**

**GRANULAR, EFFERVESCENT.  
DELICATELY FLAVOURED.**

**WHITE OR  
PINK.**

AIR-TIGHT CAPS.



PRICE:

**6/6**

Per Doz.

**72/-**

Per Gross.

A MOST ATTRACTIVE ARTICLE  
FOR THIS SEASON OF THE YEAR.

We are large Manufacturers of all kinds of  
Effervescent Preparations, including—

**HEALTH SALT,  
CARLSBAD SALINE,  
CITRATE of MAGNESIA,  
etc. etc.**

*WRITE FOR SAMPLES & PRICES.*

**T. HOWARD LLOYD & CO.,  
LEICESTER.**

In 6 oz. Cheltenham, Litho Label in  
Green and Gold.

## NOTICE.

### MILK EMULSION.

THE name "Milk Emulsion" is our Trade Mark for an Emulsion of Cod Liver Oil with Hypophosphites, and designates specifically that it is our preparation. Our Emulsion is known in commerce as "Milk Emulsion," and when "Milk Emulsion" is ordered, people expect to receive FAULDING'S MILK EMULSION. We hereby give notice that no other persons can use the same name on their labels, wrappers or advertisements without infringing our legal rights.

"Milk Emulsion" is sold in Bottles only, Wholesale, by—

**F. H. FAULDING & CO.**

54 Great Tower Street, London, E.C.

54 King William Street, Adelaide, South Australia.  
341-8 Murray Street, Perth, Western Australia.  
16 O'Connell Street, Sydney, New South Wales.

Oils, Paints, Colours, Varnishes,  
Stockholm Tar and Turpentine.

**PETROLEUM  
JELLIES.**

*Samples and Prices on application.*

**Gardner & Andrew, Hull.**  
Telegrams: "Turpentine Hull." Corp. Telephone: 524.



**C. F. Asche & Co., Hamburg.**

Manufacturers of Chemical & Pharmaceutical Preparations

Established 1877. SPECIALITIES: Established 1877

Compressed Tablets of Cascara sagrada, Quinine, Rhubarb, Anti-fibrine, Chlorate of Potash, Bicarbonate of Soda, &c., Ointments, Capsules, Pills (Dragees) of all kinds, will be made to any prescription. Granulated Medicaments, Pastilles of all kinds, German, English and French in all sizes and descriptions. Sublimate Pastilles. Injections, Tablets, Wonder Crown Essence, Harlem Oil, Medicamentum Sancti Spiriti, Dutch Medicines, Worm Tablets, Effervescent Preparations, Selditz Powders, Suppositories, Asthma Cigarettes, Granulated Kola and other specialities.

Trade Mark "Asche" is a guarantee for best quality.

Articles put up in all styles and languages.

Price list and samples post free.

Telegraphic Address "Pharma."



**H. E. KERSHAW, Ltd.**

131 Curtain Rd., LONDON, E.C.

IMPORTERS OF

**SHELLAC**

of all kinds.

Manufacturers of

**WHITE SHELLAC**

**WRIGLEY'S****SPEARMINT** ➤**WRIGLEY'S****SPEARMINT** ➤**WRIGLEY'S****SPEARMINT** ➤

# The Only Largely Advertised Chewing Gum in England is

RETAILS

**2½d.**

PER PACKET



RETAILS

**2½d.**

PER PACKET

Chemists all over England are stocking and selling **WRIGLEY'S SPEARMINT** ➤ in great quantities. Are you?

You will find **WRIGLEY'S SPEARMINT** ➤ Pepsin Gum a most profitable side line. In our advertising we are telling the public what **WRIGLEY'S SPEARMINT** ➤ really is; expounding its benefit to the teeth and digestion, its soothing action upon the nerves, &c. Also we are telling exactly what it is made of—which has never been done for Chewing Gum before.

**Costs You 2/3d. per Box.**

**WRIGLEY'S SPEARMINT** ➤

sells at sight.

Stocked by Butler & Crisp; Sangers; May, Roberts; John Thompson, and all wholesalers.

**WRIGLEY'S, LTD.**  
164 Piccadilly, London, W.

**Sells Quickly at 4/2d.**

**WRIGLEY'S****SPEARMINT** ➤**WRIGLEY'S****SPEARMINT** ➤**WRIGLEY'S****SPEARMINT** ➤

## PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below.

**A**cid, Acet, Glacial, 99%, Carboys, 160 lbs. @ 4½ d. lb.; 12 6-lb. bots. @ 7d. lb.; 6 lbs. @ 8d. lb.  
 " Salicyl. pulv., 7 lbs. @ 1/2 lb.; phys. pure, 1 lb. @ 3/- lb.  
 " Sulph Aromat., B.P., 5 lbs. @ 3/8 lb.  
**Adeps Benz.**, B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.  
**Ammon Brom.**, P.B., 1 cwt. @ 2/1 lb.; 7 lbs. @ 2/2 lb.  
**Ammon. Carb.**, lump, 3 cwt. @ 4½ d. lb.; 28 lbs. @ 5d. lb.; 7 lbs. @ 5½ d. lb.; powder, 1 d. lb. extra.  
**Ammon. Chlor.**, 99% pulv., 1 cwt. @ 33/- cwt.; 7 lbs. @ 4d. lb.; Batteries, 4/- cwt. extra.  
**Aniseed**, English ground, 1 cwt. @ 44/- cwt.; 7 lbs. @ 5½ d. lb.  
**Aropol**, 1 lb. @ 27/- lb.  
**Aqua. Anethol Conc.**, 1-40, 1 lb. @ 2/11 lb.  
 " Anisi Conc. 1-40, 1 lb. @ 3/1 lb.  
 " Cinnam. Conc. 1-40, 1 lb. @ 3/4 lb.  
 " Aurant. Trip., 53 lbs. for 17/6; 6 lbs. @ 7d. lb.  
 " " Aurant. Conc., 1-40, 1 lb. @ 6/1 lb. [lb.  
 " " Rosæ Trip., 53 lbs. for 20/-; 6 lbs. @ 7d. lb.  
 " " Rosæ Conc. 1-40 1 lb. @ 6/- lb.  
 " Samb. Trip. 53 lbs. for 23/6; 6 lbs. @ 8d. lb.  
 " " Samb. Conc., 1-40, 1 lb. @ 6/1 lb.  
 " " Laurocerasi, 53 lbs. for 20/-; 6 lbs. @ 7d. lb.  
 " " Menth. Pip. Conc., 1-40, 1 lb. @ 3/- lb.

\*Ext. Hamamelis, Liq. P.B., 5 lbs. @ 3/5 lb.  
 \*Ext. Ipecac. Liq. P.B., 5 lbs. @ 13/3 lb.; 1 lb. @ 14/3 lb.  
 \*Ext. Nucis Vom. Liq. P.B., 5 lbs. @ 3/- lb.; 1 lb. @ 3/- lb.; solid, 5 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.  
 Ext. Quassia, Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/4 lb.  
 Ext. Sarsæ Co. Solid, 7 lbs. @ 4/- lb.; 1 lb. @ 4/6 lb.  
**Ferri Ammon. Cit.**, P.B., 28 lbs. @ 1/6½ lb.; 7 lbs. @ 1/7½ lb.  
**Ferri et Quinina Cit.**, P.B., 500 ozs. @ 3½ d. oz.; 100 ozs. @ 4d. oz.; 25 ozs. @ 4½ d. oz.  
**I**nf. Aurant, Conc., 1 to 7, 6 lbs. @ 1/3 lb.  
 " " Aurant, Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.  
 " Buchu Conc., 1 to 7, 6 lbs. @ 1/8 lb.  
 " Calumba Conc., 1 to 7, 6 lbs. @ 11d. lb.  
 " Caryoph. Conc., 1 to 7, 6 lbs. @ 11d. lb.  
 " Cascaria Conc., 1 to 7, 6 lbs. @ 1/2 lb.  
 " Cinchona Acid, 1 to 7, 6 lbs. @ 1/7 lb.  
 " Gentiana Co., 1 to 7, 6 lbs. @ 1/- lb.  
 " Quassia Conc., 1 to 7, 6 lbs. @ 9d. lb.  
 " Rhæt Conc., 1 to 7, 6 lbs. @ 1/5 lb.  
 " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.  
 " Senega Conc., 1 to 7, 6 lbs. @ 2/2 lb.  
 " Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.

**L**in. Camph. P.B., 40 lbs. @ 10d. lb.; 9 lbs. @ 11d. lb.  
 \*Liq. Hamamelidis, B.P., 6 lbs. @ 1/1 lb.

Morphine Diacetyl, 4 oz. @ 15/10 oz.; 1 oz. @ 16/4 oz.; Hydrochlor., 6d. per oz. less.  
**Myrrh**, Gum, English Ground, 28 lbs. @ 11d. lb.; 7 lbs. @ 1/1 lb.

**N**aphthalene, Candles or Balls, 1 cwt. @ 12/6 cwt.; 56 lbs. @ 14/6 cwt.; 28 lbs. @ 16/- cwt.

**Q**1. Amygdal. Essent., Artificial, free from Chlorine, 5 lbs. @ 3/- lb.; 1 lb. @ 3/9 lb.  
 Ol. Anethi Ang. B.P., 1 lb. @ 12/- lb.  
 Ol. Anisi, E.I., 66 lbs. @ 5/9 lb.; 16½ lbs. @ 6/- lb.; 1 lb. @ 6/8 lb.  
 Ol. Aurant, 12 lbs. @ 8/- lb.; 1 lb. @ 9/- lb.; not guaranteed absolutely pure.  
 Ol. Cajuput, B.P., 21½ oz. Bots. @ 2/7 lb.  
 Ol. Caryop. Ang. B.P., 9 lbs. @ 4/4 lb.; 4½ lbs. @ 4/6 lb.  
 Ol. Menth. Pip. Hotchkiss original bots., 21 oz. @ 16/2 lb.; 6 bots. @ 15/8 lb.; 18 bots. @ 15/5 lb.  
 Ol. Oliva P.B., good yellow, guaranteed pure, 45 gall. Barrels @ 4/5½ gall.; 2-gall. tins @ 5/3 gall.; fine cream, 9-lb. tins @ 7/2 each.  
 Ol. Ricini Alb. Opt. Medicinal, 176 lbs. @ 40/6 cwt.; 88 lbs. @ 42/- cwt.; 44 lbs. @ 44/- cwt.; 9 lbs. @ 6d. lb.; for export, 1 cwt. drums recommended, 9/6 each extra.  
 Ol. Santal Flav. Ang. B.P., 5 lbs. @ 11/2; 1 lb. @ 11/6 lb.

**P**henacetin, P.B., pulv., 1 cwt. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. @ 3/- lb.  
**Phenazone**, P.B., 7 lbs. @ 6/11 lb.; 1 lb. @ 7/6  
**Phenolphthalein**, 7 lbs. @ 5/6 lb.; 1 lb. @ 6/- lb.

# BISMUTH. COCAINE. SALICYLATES.

**B**ismuth, P.B. Carb., 7 lbs. @ 8/10 lb.; 3 lbs. @ 9/1 lb.; 1 lb. @ 9/3 lb., subnit., 1/- lb. less.

**C**etaceum No. 1, fine white English, 64 lbs. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.; powder, 7 lbs. @ 1/9 lb.

Chloral Hydras Cryst. B.P., 7 lbs. @ 3/1 lb.; 1 lb. @ 3/6 lb.

"Chlorodyne, 5 lbs. @ 2/- lb.

"Chloroform, pure B.P., 12 8-lbs. @ 1/3½ lb.; 8 lbs. @ 1/4½ lb.; 6 1-lb. bots. @ 1/6½ lb.

Chlorophyll, 7 lbs. @ 5/- lb.; 1 lb. @ 5/9 lb.

Cocaine Hydrochlor. B.P., 25 ozs. @ 6/4 oz.; 4 ozs. @ 6/9 oz.; 1 oz. @ 7/6 oz.

Creasote, Beechwood, P.B., 22 lbs. @ 1/11 lb.; 7 lbs. @ 2/1 lb.

**E**mp. Picis, P.B., 7 lbs. @ 8½ d. lb.  
 " Plumbi, P.B., 7 lbs. @ 8½ d. lb.

" Resinæ, P.B., 7 lbs. @ 8½ d. lb.

Roborans, 7 lbs @ 8½ d. lb.

Emulsiol. Ol. Mortieræ, 10 lbs. @ 9d. lb.

\*Ext. Belladonna Liq., B.P., 5 lbs. @ 4/3 d. lb.; 1 lb. @ 4/8 lb.; solid, 7 lbs. @ 2/10 lb.

Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0½ lb.; 10 lbs. @ 1/2 lb.

\*Ext. Ergot. Liq. P.B., 5 lbs. @ 6/- lb.; 1 lb. @ 6/- lb.

Ext. Gent. P.B., Solid, 1 cwt. @ 9½ d. lb.; 7 lbs. @ 10½ d. lb.

\*Ext. Glycyrrh. Liq. B.P., 6 lbs. @ 1/4½ lb.

\*Liq. Bismuth, P.B., 6 lbs. @ 1/1 lb.

Easton., p.s. 1-3, B.P., 1 lb. @ 3/- lb.

Ferri Iod. p.s., 1-7, 1 lb. @ 6/9 lb.

Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/6 lb.

Hypophosph. Co. p.s., B.P.C., 1 lb. @ 3/4 lb.

Iod Fort. B.P., 5 lbs. @ 5½ lb.

" Morphinae Acet. or Hydrochlor., P.B., 6 lbs. @ 3/- lb.

" Pruni Virg. p.s. 1-7, 5 lbs. @ 2/2 lb.

Rhœados pro syr., 1 to 7, 5 lbs. @ 1/11 lb.

Rhei p.s., 1-7, 6 lbs. @ 2/2 lb.

Santal Co., 1 lb. @ 3/- lb.

Senna Dulc. 6 lbs. @ 1/4 lb.

" Senna pro Syr., 1-7, 6 lbs. @ 2/- lb.

Tolut pro Syr., 1-7, 6 lbs. @ 1/3 lb.

**M**ag. Calc. Levis. 56 lbs. @ 8d. lb.; 5 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.

Mag. Calc. Pond. 7 lbs. @ 1/10 lb.; 1 lb. @ 2/-

Mag. Carb. Pond., 56 lbs. @ 6½ d. lb.; 7 lbs. @ 7½ d. lb.

Mag. Carb. Levis. 1 cwt. @ 25/-; 7 lbs. @ 4d. lb.

Mag. Sulph., fine druggists., B.P., 1 cwt. @ 6/- cwt.

\*Mist. Sennæ Comp. B.P., 20 lbs. @ 6½ d. lb.; 6 lbs. @ 7½ d. lb.

Morphinae Acet. Hydrochlor., or Sulph., Pulv. B.P., 25 oz. @ 11/10 oz.; 16 oz. @ 11/11 oz.

8 oz. @ 12/- oz.; 1 oz. @ 13/- oz.; Pur.

Pracip. Bimeconate or Tart. 1 oz. @ 15/3 oz.

Sapo Cast. Alb., 10 cwt. @ 25/- cwt.; 2 cwt. @ 26/- cwt.; 7 lbs. @ 3½ d. pulv.; 1 cwt. @ 65/- cwt.; 56 lbs. @ 68/- cwt.; 7 lbs. @ 8d. lb.; Animal pulv., 1 cwt. @ 67/- cwt.; 56 lbs. @ 70/- cwt.; 7 lbs. @ 9d. lb.

Scammony Resin. Pulv., B.P., 7 lbs. @ 3/10 lb.; 1 lb. @ 4/3 lb.

Shellac (Orange), 1½ cwt. @ 68/- cwt.; 7 lbs. @ 9d. lb.

Soda Caustica. 28 lb. tins @ 8½ d. lb.; 6 1-lb. Bots. @ 10d. lb.

Soda Citr., B.P., 3 lbs. @ 1/11 lb.

Soda Salicyl. Pulv., 7 lbs. @ 1/6 lb.; phys. pur.; 28 lbs. @ 2/3 lb.; 1 lb. @ 2/6 lb.

Soda Sulphite Recryst., 1 cwt. @ 16½ cwt.; 7 lbs. @ 4d. lb.

Soda Sulphocarbolas, B.P., 7 lbs. @ 1/0½ d. lb.; 1 lb. @ 1/3 lb.

Sodii Bromid, P.B. 1 cwt. @ 1/11½; 7 lbs. @ 2/1½ lb.

Soda Hyposulphite, pea cryst., 1 cwt. @ 8/6 cwt.

\*Spt. Ether Nit. P.B., 4½ lbs. @ 3/6½ lb.; 1 lb. @ 3/9½ lb.

\*Spt. Ammon Aromat. P.B., 5 lbs. @ 2/9 lb.

\*Spt. Chloroformi, P.B., 5 lbs. @ 3/7 lb.

Strychnina cryst. B.P., 25 ozs. @ 2/2 oz.; 1 oz. @ 2/6 oz.; Hydrochlor. and Sulphate, 2d. oz. less.

\*Minimum quantity at these prices: Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

NOTE.—Only Terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.

ALLIANCE DRUG & CHEMICAL CO., LONDON.

Office: 34 LEADENHALL STREET.

KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.

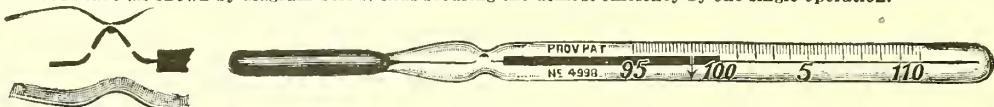
We have purchased, as a going concern, the business of a well-known maker of Clinical Thermometers, including the Patent (No. 4998).

# "DUO-IN-UNO" Clinical Thermometer

which has been specially designed with the object of doing away with the excessive exertion required to reset the index in the ordinary pattern.

With the "DUO-in-UNO" the proverbial "brace of shakes" is not necessary—one shake does all that is required.

In the "DUO-in-UNO," by the particular formation of the chamber which is constructed in this Thermometer, two constrictions are made (as shown by diagram below) thus securing the utmost efficiency by one single operation.



In an Action in the Court of Appeal in the High Court of Justice in connection with this Clinical Thermometer, LORD JUSTICE ROMER in giving his Judgment for the Defendant (the Inventor) said: "That to his mind the Defendant made a new invention, and solved substantially a new problem and a new method altogether."

Everyone who tries this improvement considers it well worth the small additional price (see below).

## "EMPIRE" Clinical Thermometers. *Guaranteed Best London Make from Well-seasoned Tubes.*

As we are now manufacturing these goods in our own workshops we are able to give the closest supervision to their careful production, and we can guarantee the highest standard of quality being maintained.

| PRICES  | <b>"EMPIRE."</b> |     | <b>"DUO-in-UNO."</b> |               |
|---|------------------|-----|----------------------|---------------|
|   | s.               | d.  | s.                   | d.            |
| Hospital Pattern                                    | 9                | 0   | 12                   | 0             |
| Lens Front...                                       | 13               | 0   | 16                   | 0             |
| 60 Second, plain                                    | 12               | 0   | 15                   | 0             |
| Lens Front  | 16               | 0   | 20                   | 0             |
| 30 Second, plain                                    | 13               | 6   | 18                   | 0             |
| Lens Front  | 20               | 0   | 27                   | 0             |
| Certificate of accuracy verified by Kew Observatory | ...              | ... | ...                  | per doz. 12/- |

Each Thermometer is in a metal case, and packed in a specially designed card box with descriptive label on lid. Customers' names engraved on the Thermometers free of charge. We accept all risk of breakage in transit if advised by return of post.

**A glass-topped Showcase given FREE with orders for three dozen Thermometers.**

5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards.

**OUR GOODS ARE RIGHT AND PRICES LOW.**

*Write for Illustrated Price List, Post Free.*

**BURGE, WARREN & RIDGLEY, Ltd., 91 & 92 Great Saffron Hill, LONDON, E.C.**

Established 1839.

## "STAG" BRAND SURGICAL DRESSINGS

Absorbent Cotton Lints, Wools, Gauzes, Roll Bandages, either plain or medicated with Antiseptics according to the directions of Lord Lister.

Gauze Tissue, of which ROBINSON & SONS, LTD., are Sole Makers.

Robinson's Dressing (Patent)—Alternate layers of Absorbent Cotton Wool and Cellulose.

Robinson's Tissue (Patent)—Same, with External Gauze Layers.

Cellulose Wadding—Manufactured from pure White Pitch Pine Fibres.

Wood Wool Wadding—Pinewood Fibres intimately mixed with Absorbent Cotton Wool.

Wood Wool Tissue—Same with External Gauze Layers.

Aseptic Dressings of all kinds, packed under ROBINSON'S PATENT.

ABSORBENT SPONGES AND GAUZE PADS.  
SANITARY TOWELS FOR LADIES.  
Specialty—MENE TOWELS.

ACCOUCHEMENT SHEETS, Absorbent yet Waterproof.  
32 x 32. 26 x 20. 24 x 18.  
COMPRESSED DRESSING A SPECIALITY.

## ROBINSON & SONS, LTD.

ARE ACTUAL SPINNERS, WEAVERS, AND BLEACHERS,

LONDON OFFICE:  
55 FANN STREET, E.C.

CHESTERFIELD.

## LESLIES, LTD.

*Manufacturers of Plasters of every description for Home or Export.*

## SURGICAL PLASTERS

Holland Strapping, all widths,

Rubber Adhesive Plaster on Spools

" Zinc Oxide " "

## MEDICAL PLASTERS

Lead or Rubber Base.

Plain or Porous.

Mustard Leaves. Court Plasters.

Sole Agents in Great Britain & Colonies for Geneva Crepe Bandages.

TWO QUALITIES. 11 different widths.

## LESLIES, LTD.,

18 Eldon Street, LONDON, E.C.

# The Ideal Enema for Nurses and Doctors.

No metal parts whatever in connection with the "Sterilendum" Enema.

Specially prepared for Export.

No metal parts whatever in connection with the "Sterilendum" Enema.



IT is well known that the advance of medical science has brought about the fact that all surgical instruments should be sterilized, and it is maintained by the Medical Profession that sterilization should take place immediately before and after use to destroy all **Bacteria and Germinating Matter**, and it is for this reason that we have introduced the "**Sterilendum**" Enema. It is made of an india-rubber (and fitted with glass mounts) suitable for sterilizing **without injury**, under the simplest process, viz.: by **boiling in water**.

AT the present time most of the Enemas on the market are fitted with metal and absorbent fittings to which Germs are likely to adhere, and are liable to corrode and become injurious if submitted to sterilizing by boiling in water.

**THE "Sterilendum" Enema** is fitted entirely with glass pipes and valve so that it can be **sterilized in its entirety**.

IT is a **well-known** fact that we are the original Patentees and manufacturers of Seamless Enemas, in consequence of which (by our number of years' experience) we have been able to introduce this "**Sterilendum**" Enema, which is admitted by the highest medical and scientific authorities to be the **safest** and most cleanly instrument of its kind in use.

IT might be mentioned that the "**Sterilendum**" Enema has been placed on the market in response to requests from the **leading members** of the **Medical Profession** and others interested in the study of hygiene, and the demand has been for an Enema which is **wholly sterilizable**. The "**Sterilendum**" Enema meets these requirements in every detail, and does not become injured by sterilizing, as in the case of those enemas which are fitted with metal mounts, &c., that become corroded, dirty and discoloured.

**THE "Sterilendum"** is fitted up in a highly enamelled box bearing the registered name, and the Enema itself is branded with the registered name "**Sterilendum**," and the public are warned against imitations. The Rectum and Vagina Pipes and Valve are made of toughened glass, and are effectively treated so as to render them **unbreakable**.

On the **P.A.T.A. LIST**  
@ **33/9 per doz.**  
and Minimum Retail Price

**3/10**  
each.

**INGRAM'S**  
**"STERILENDUM"**  
**ENEMA**  
WARRANTED TO STAND  
BOILING WATER

On the **P.A.T.A. LIST**  
@ **33/9 per doz.**  
and Minimum Retail Price

**3/10**  
each.

**THE BRAND MARK OF QUALITY.**  
None genuine without.

**OBtainable of all wholesale houses at a protected price.**

If unable to obtain same from your Wholesale House, kindly write us.  
AN ATTRACTIVE CARD FOR SHOW PURPOSES WILL BE SENT FREE UPON APPLICATION.

Manufactured by the Original Makers of Seamless Enemas,

**J. G. INGRAM & SON, THE LONDON INDIA-RUBBER WORKS,  
Hackney Wick, LONDON, N.E.**

# CARDS.

For Terms apply to the Publisher.

**FRED<sup>K.</sup> FINK & CO.**  
10 & 11 MINCING LANE, LONDON, E.C.

SPECIALITIES: Cums Arabic and Tragacanth as imported or finely powdered—Dextrine, Camomiles, Honey. Waxes of all kinds for Boot Polishes, &c.

Specialists in the manufacture of  
**WATERPROOF SMALLWARE, SPONGE BAGS, BATHING  
CAPS, &c.,** in greatest variety and excellence.  
"FATHER NEPTUNE'S SAFE FLOATS," safe in name  
and safe in use.

F. SCHUTZE & Co., Ltd., Black Bull Works,  
CALEDONIAN MARKET, LONDON, N. [2]

**PRECIPITATED CHALK.**

LIGHTEST, WHITEST AND PUREST QUALITIES

APPLY TO—  
**AUG. LEVERMORE & Co., Ltd.**, 8/10 OT. ST. MCLENS,  
LONDON, E.C.

TELEGRAMS: "LEVERMORE LONDON." TELEPHONE: 4613 CENTRAL.

## Dentistry

FOR CHEMISTS & DENTISTS

Write for  
Price List

**A.G.FENTIMAN**  
192, BISHOPSGATE, LONDON, E.C.



**CACHETS "PELTOT."**

ALL SIZES **1/3 per 1,000** Plain or Embossed

Carriage Paid on orders for 5,000

Write for Samples to the Sole Agent:—

**CICERO S. CLARK, PHARMACIE FRANCAISE**  
12 Richmond Road, Westbourne Grove, W.

**MILK**

New, Skim, Malted and Sweetened  
**IN POWDER FORM.**

WHEY POWDER for food Specialists.

Our milk products are perfectly soluble and give the finest results either alone or when used in proprietary compounds.

**TRUFOOD, Ltd., 4 LLOYD'S AVENUE, LONDON, E.C.,**  
and the Wrenbury Creameries, CHESHIRE.

**"AMAMI" NAIL POLISHING STONES**

ABSOLUTELY THE BEST.

4/- doz.

Wholesale from Maw's, Evans, &c.c.

Also all requisites for finger toilet.

**PRICHARD & CONSTANCE, Ltd., Manufacturing Perfumers, etc.**  
Telephone: 11716 Central. 71 NEWMAN STREET, LONDON, ENG.

**MECHANICAL  
DENTISTRY**

**H.E. CULLWICK,**  
Dental Manufacturer;

**WOLVERHAMPTON.**

BEST WORK.  
LOW PRICES.  
Est. 1888.



**HEALTH SALT, LIVER, BLOOD,  
AND HYGEIA SALT, INSECT  
POWDER, FOOT POWDER,  
and other TINS.**

Ask to see Patent Air-tight Health Salt  
Tins, as design, before buying.

**SHIRLEY BROTHERS, Limited,**  
Whitecross Works, LONDON, S.E. \*



**SCHOLL'S 'BUNION REDUCER'**

is a scientifically prepared soft rubber shield, to be worn over the bunion or enlarged joint to keep the pressure of the boot from the bunion, and which, at the same time, maintains the boot in shape, shuts out all air and moisture, and reduces the enlargement. Made in 3 sizes, Rights and Lefts. Special advertising matter and window display with orders. Send for full list of Scholl's Specialities.

**THE C. SCHOLL MFG. CO., LIMITED,**  
1, 2, 3 & 4 Giltspur St., London, E.C.



**DISINFECTANTS  
OF ALL KINDS.**

Cheapest Makers of Co-efficient Acids and Fluids.

**HENRY ELLISON, LTD., CLECKHEATON, YORKS.**

**VAN HORN & SAWTELL**  
—LONDON & NEW YORK— MAKERS OF  
**K-Y LUBRICATING JELLY**  
IN COLLAPSABLE TUBES, AND OF  
**"Van Horn" STERILE SUTURES & LIGATURES**  
IN GLASS TUBES.— PRICES ON APPLICATION.

81-83 HIGH HOLBORN, W.C.

**'RED CROSS' PILLS,  
MIXTURE, LOTION, EMBROCATION, OINTMENT, etc.**

Title and Trade Mark registered by a Pharmacist, 1876,  
have always carried a 'LIVING PROFIT.'

From all Wholesalers or direct from

**FOX & CO. (L'pool), Ltd., 151 Dale St., LIVERPOOL, England.**

**DENTISTRY**

(Mechanical).

EXPERT WORKMANSHIP. PROMPT SERVICE.  
POPULAR PRICES. GUARANTEED MATERIALS.  
"Dentistry for Chemists" post free. "Everyday Dentistry," 3/6.  
**F. C. WARDALE & CO., 132 High Street North, East Ham.**  
Tel. No.: East Ham 174. Tel. Address: "Eladraw London."

**BUNCHER & HASELER,  
LTD.****ALUMINIUM BOXES**Branston St.,  
BIRMINGHAM, ENGLAND.**Papier Poudre****POPOEPA PREPARATIONS**

Good Profit to Chemists, &c.  
Price List from  
**PAPIER POUDRE, Ltd.**,  
23 Somerset St., London, W.

**'TULIP NIGHT LIGHTS AND  
NON-DROP TAPERS.'**

SOLE AGENTS FOR U.K.:

**PREScott & CO., 63 Corporation St., Manchester.****C.C.L. INSECT PENCILS**

GOLD MEDALS, BRUSSELS &amp; PARIS.

**3 DOZEN ON ATTRACTIVE SHOWCARD.**

Special Packing for the Tropics.

**CHALINE & CO., LTD., 58 NEW OXFORD ST., LONDON, W.C.****HEALO. 75 per cent. profit on cost.**

No skin ointment pays a Chemist better to handle than **HEALO** (regd.). It is the most attractive and best value in the market. With an order for 1 doz. (9/-) I send 50 Free Samples to hand over the counter. With 3 doz. I send bonus 3 Extra Boxes Free, and if desired I will circularise your district or send an advt. to local weekly paper. I also allow 5/- for Window Show. **HEALO** is on the P.A.T.A. Why not secure the Agency for your District. Particulars—MAURICE SMITH, KIDDERMINSTER.

**S.V.M. WINES FOR  
CHEMISTS.  
S.V.R.****A. MACNAIR & CO. Dolphin Distillery,  
Ardwick, MANCHESTER****SEND FOR OUR PRICE LIST OF  
SEASONABLE SUNDRIES**BATHING CAPS, SPONGE BAGS, WASHING GLOVES,  
AND ALL SEASIDE AND HOLIDAY REQUISITES.**THE GALEN MANUFACTURING CO., LTD.,  
WILSON STREET :: NEW CROSS, LONDON, S.E.**

**WARNING TO THE TRADE!!!**  
THE SUCCESS OF FARMER'S "BAITED" PHOSPHOR PASTE  
has induced some person to endeavour to imitate our popular brand.  
When ordering, kindly state Farmer's to your wholesale house.

Write us please, if you are doubtful as to its genuineness.

**SIZES: 3d., 6d., 1/- and 2/6. All letters to  
FARMER'S BAITED PHOSPHOR PASTE WORKS,  
1a College Lane, Homerton, London, N.E., or any Wholesale House.**

**DIABETES****G. VAN ABBOTT & SONS, London, S.E.**

Manufacture all foods for above.

Established 1859.

Tel: 7018 Central. Telegraphic Address: "Glutens London."

**TOBACCO! CIGARS! CIGARETTES!**

Every known Brand at Manufacturer's own List  
Prices. Endless variety of Tobacconists' Fancy  
Goods & Shop Fittings. The Trade only supplied.  
Opening orders a Speciality. Send for Price List.

**SINGLETON & COLE, Ltd., Cannon Street, BIRMINGHAM,  
AND BRANCHES.****CRIMSON CROSS REMEDIES.**

DO  
YOU  
SELL  
THEM ?

There are Three Reasons why you should:

- 1st. A demand has been created by advertising.
- 2nd. They yield a good profit to the Retailer.
- 3rd. They give satisfaction to the Customer.

ENQUIRIES INVITED.

CRIMSON CROSS DISPENSARY, DERBY. Tel 826.

**ARE YOU GETTING THE BEST RESULTS?**

If NOT, try

**H. GARTHWAITE,**  
The Old Established Dental Mechanic,  
200 MANSFIELD ROAD, NOTTINGHAM.

Write at once for Price List.

"Princess" Powder Paper. Paint Paper.  
Soap Leaves in Booklets.  
Nail Polishing Paper. Nail Polishing Stones.

"Ideal" Shampoo Powder.

Best Quality and Lowest Prices. (1)

PHARMAZEUTISCHE INDUSTRIE-GESELLSCHAFT, Offenbach-am-Main 5

**First-Class Mechanical Dentistry.**

Reliable workmanship. Popular prices. Moderate charges for gold,  
D.A., Tubes, Seamless Gold Crowns, Sections, Vulcanite, &c. Ash's  
and D.M.C. Teeth and Rubber guaranteed. Punctuality strictly  
observed. List free. Trial case solicited. Gold and D.A. work a  
speciality. Special cheap rates for show case pieces. 16 years' ex-  
perience of first-class mechanical dentistry.

**E. O. HALDER, 46 New Cross Road, LONDON, S.E.**

**THE CROWN CAPSULE COMPANY.**  
ST. JAMES PLACE,  
PAISLEY, N.B.  
**CAPSULES** AND **PERLES**  
SEND FOR SAMPLES & QUOTATIONS.  
FEARLESS QUALITY—KEENEST PRICES.

**OLIFF BROS., Chemists, DURBAN.**

(late Turner &amp; Co.)

We beg to advise the trade that we have acquired the business of Messrs. Turner & Co., West Street, Durban, and invite catalogues and prices current from Manufacturers.

O B Buying Agents—Evans Sons Lescher & Webb, Ltd.,  
Port Natal. London and New York.

**ENEMAS, SPRAYS, DOUCHES, &  
SURGICAL RUBBER GOODS.**

Write for List

**X. L. RUBBER CO.** Broadheath Rubber Works, ALTRINCHAM.

**"CIRENGOL"**  
GREAT GARDEN INSECTICIDE  
Appeals to millions at this season  
non poisonous cheap convenient to  
stock and use. Striking posters and  
showcards free. Gross 4s. of usual houses or from  
CHRISTYS. OLD SWAN LANE. E.C.

**DENTAL TOOLS & MATERIALS.**

Teeth, Rubbers, Anæsthetics, Chairs, Engines, etc.

Low Prices. First Quality. NEW CATALOGUE POST FREE. Write for Quarterly Journal.

**C. J. PLUCKNETT & CO., LTD. 29-30 Poland St., Oxford St., London, W.****Effective  
Dental  
Advertising.**

Our Prices are the lowest, and should always be obtained before placing any order. They show a saving of 20 per cent.

Our Female Illustrations are from life (not imaginations), and we hold the largest variety of any Firm in the Kingdom.

Our models of Dentures, &amp;c., are true (not Drawings).

Write for Specimens (returnable), Post Free. Return Postage allowed off order.

**T. H. GLADWIN,**:: Specialist in ::  
Dental Advertising.348 Cleethorpe Road,  
GRIMSBY.**ICHTHYOL**

**WE WARN BUYERS** that fraudulent and ineffective articles purporting to be Ichthyol, or "equal to Ichthyol," are offered by unscrupulous dealers.

**GENUINE ICHTHYOL**, as it has been studied and is wanted by the Medical Profession and supplied all the time to the Trade, is delivered by us in tins and bottles under our special label with our name, and can be obtained in original packing from any wholesale druggist in the U. K. The use of our Registered Trade Marks "ICHTHYOL" and "ICHTHYOLATE" for any other product means deception and dishonesty, and will entail their penalties.

**PHYSICIANS, CHEMISTS, and DRUGGISTS** are requested to report to us all cases where imitation products are suspected.

**Ichthiyol-Gesellschaft,  
Cordes, Hermanni & Co.,  
HAMBURG.**

**RUSSIA.****THE LONDON COMMERCIAL COMPANY  
FOR RUSSIA, LIMITED,****8 LLOYD'S AVENUE, LONDON, E.C.  
EXPORTERS-IMPORTERS.**

This Company is prepared to transact business between England and Russia for own account or on basis of special arrangements.

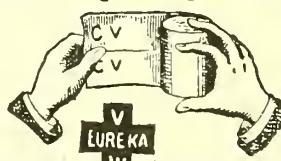
Agencies accepted for first-class firms.

Telegrams: "LONCORUSLI LONDON." Telephone: BANK 8208.

**VINCENT WOOD'S** NEW  
FAST EDGE  
"Eureka" Crêpe Velpeau Bandages.

RUBBERLESS,  
Porous and  
WASHABLE.  
Special  
discount  
for quantities.

Design &amp; Trade

SOLE IMPORTER  
for Gt. Britain  
and Colonies.Wholesale  
from  
all Sundries  
Houses.

Mark Registered.

**THE BANDAGE OF THE FUTURE**  
in cases of Varicose Veins, Sprains or Abdominal Binding, &c.

NO OTHER will be worn or asked for.

Prices per doz. Bandages, Widths: 2 2½ 3 3½ 8 11 ins.  
Best Quality ... 12/- 15/- 18/- 36/- 54/-  
2nd ... 9/- 12/- 15/-

Send for Price List of Trusses, Belts, Hot Water Bottles, Elastic Stockings, Sponge Bags, Bathing Caps, &c.

4 ALBION PLACE, Blackfriars Bridge, LONDON, S.E.

Every Genuine Bandage must have "Eureka" on Wrappers.

Customers can have their own names on Wrappers and Circulars.

# Accessibility

is the important consideration with regard to your

# New Works

Sites in NORTH-EAST ENGLAND afford easy access for Local and Imported Raw Material and to Home and Foreign Markets.

Specially Adapted for **CHEMICAL WORKS.**

Several important Chemical Processes have been established in this Area during recent years.

We invite your inquiries. Full information and every assistance afforded to inquirers.

Address :—

**THE COMMERCIAL AGENT, N.E. Railway, YORK.**

England.

## THE WAND MANUFACTURING CO.,

Tel. Address: "WAND."  
NAT. TEL. 1145.

21 Wellington Street, LEICESTER.

SPECIALISTS IN

## PILLS, TABLETS, CAPSULES,

HORSE BALLS, DOG PILLS, SUPPOSITORIES,

## COUNTER ATTRACTIONS.

SEND A P.C. FOR NEW LIST.

BEST DRUGS.

SPECIAL QUOTES TO LARGE BUYERS.

Established — 1846 — Ferdinand ROQUES, PARIS. FACTORY: ST. OUEN.

Manufacturer of PURE PHARMACEUTICAL CHEMICALS.  
GOLD MEDALS: PARIS, 1889, 1900. GRAND PRIX: TURIN, 1911.

COCAIN, PILOCARPIN, SPARTEIN. "ROQUES."

OTHER SPECIALITIES: Refined Camphor, Iodides, Iodoform, Iodothymol, Bromides, Bromoform, Bismuth Salts, CACODYLATES, METHYLARSENATES.

SOLE AGENTS FOR THE U.K. (Wholesale only):

**W. CHARITY & SONS, 14 Harp Lane, London, E.C.**

Telephone :: AVENUE 4359.  
Telegrams: "CHARITY LONDON."  
Codes :: A B C and LIEBER.

**KILLS NITS AND IS GUARANTEED TO REMOVE THEM.**

A delightful Shampoo Powder. A perfect insecticide. 2d. per packet, sufficient for two shampoos. Of all wholesale sundries houses, or from

*Nyto Preparations, Ltd., 11 St. James' Walk, Clerkenwell, E.C.*  
Full particulars on application.

**BEATSON, CLARK & CO., LTD.**

ESTABLISHED 1751.

HIGH CLASS DISPENSING BOTTLES,  
VIALS, POISONS, &c. GRAD. MEASURES,  
RECESS AND GOLD LABELLED SHOP ROUNDS. **ROOTHERHAM, YORKS.**

**MEDICAL GLASS MANUFACTURERS,****DISPENSING BOTTLES, &c.**

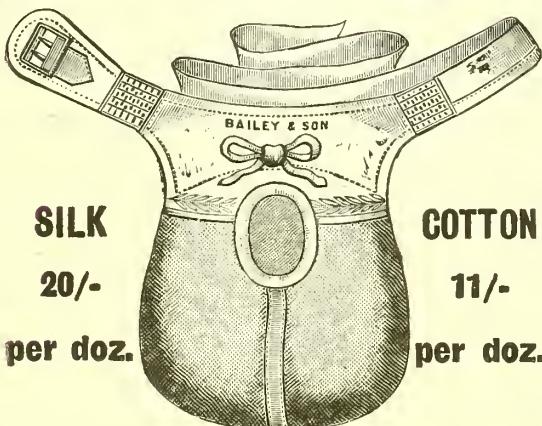
We are now offering above of first-rate quality,  
:: in original packages, at very low prices. ::

**SAMPLES & PRICES WILL BE SENT ON APPLICATION.****E. YOULDON, LTD.**

Carter Street, Maplin Street, MILE END, LONDON, E.

ESTABLISHED 1840. Telegrams: "Youldon London." Telephone: East 132.

# BAILEY'S "A.B.C." SUSPENSORIES.

**SILK**

20/-

per doz.

**COTTON**

11/-

per doz.

Assorted—A, small; B, medium; C, large bags.

**W. H. BAILEY & SON,**  
38 OXFORD STREET, LONDON, W.<sup>[3]</sup>

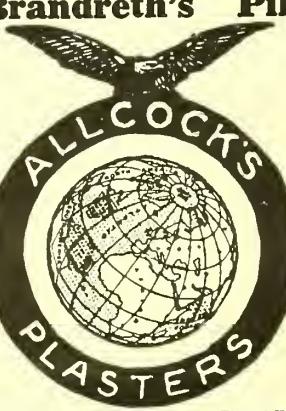
The Original and only Genuine  
**Allcock's**  
**POOROUS PLASTERS**

A REMEDY OF 60 YEARS' STANDING.

**Allcock's Plasters**  
**Allcock's Corn and**  
**Bunion Plasters**  
**Brandreth's Pills**

**The**  
**Three**  
**Reliables.**

A HANDSOME SHOWCARD  
will be sent  
free of cost  
and post paid  
on application.



"Sold all round the World."

ALLCOCK  
MANUFACTURING  
COMPANY  
22 Hamilton Sq.,  
Birkenhead.

Telegraphic Address:  
PHARSALIA, LONDON.

# Sangers

258, EUSTON ROAD,  
LONDON, N.W.

THE LEADING HOUSE

FOR  
EVERY DESCRIPTION  
OF  
DRUGGISTS'  
SUNDRIES.



MAIN DRUGGISTS' SUNDRIES WAREHOUSE

|                         |   |
|-------------------------|---|
| PROPRIETARY MEDICINES   | : |
| SURGICAL INSTRUMENTS    | : |
| PHOTOGRAPHIC GOODS      | : |
| PERFUMERY, PACKED GOODS | : |
| SHOP FITTINGS           | : |
| ETC., ETC.              |   |

TELEPHONES :

|      |            |
|------|------------|
| 8915 |            |
| 8916 | CERRARD.   |
| 8917 | FOR ORDERS |
| 8918 |            |
| 8919 |            |

|               |                     |
|---------------|---------------------|
| 862 NORTH.    |                     |
| 848 CENTRAL.  | FOR ENQUIRIES.      |
| 3273 MAYFAIR. | FOR COUNTING HOUSE. |
|               | GOODS ENTRANCE.     |



# NATURAL Mineral Waters

¶ We are Agents for all the leading Natural Mineral Waters, importing them regularly throughout the Season.

¶ Should you be asked for a Water with which you are not conversant, please apply to us, as we may have it in stock; or we could procure at short notice.

¶ Chemists should write for our special list of net prices. Goods delivered direct to Clients' own Customers if desired.

¶ Show-cards, Show-Bottles, Pamphlets, Dummies, &c., forwarded on application.

## INGRAM & ROYLE, Ltd.

IMPORTERS, EXPORTERS AND DEALERS IN ALL

### Natural Mineral Waters, Salts and Pastilles.

#### Telegraphic Addresses :

"INGRAM-ROYLE LONDON."  
Telephone : Hop. 4343 (2 lin. s.).

"SPRUDEL BRISTOL."  
Telephone : 1113.

"CELESTINS LIVERPOOL."  
Telephone : Bank 4528.

Bangor Wharf, 45 Belvedere Road, London, S.E.

LIVERPOOL : 19 South John Street.

BRISTOL : Bath Bridge.  
No. 1.

# IDRIS Table Waters

... IN ...

## Chinaways

As supplied to H.M. The King.



Chemists who wish to compete for the best class trade are advised to sell "Chinaways."

Show a good profit and command a large sale.

This Syphon enables Chemists to meet all competition.

Full particulars of Agency Terms on application.

## SPARKLING PHOSPHADE.

A Delicious Tonic  
Food for Brain and Nerves.

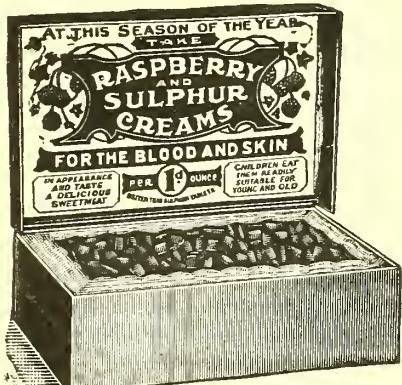
**IDRIS & CO., Ltd.,** ————— K —————  
CAMDEN TOWN, LONDON, N.W.

BRANCHES : Liverpool, Southampton, Canterbury, Teddington.

DEPOTS : Bournemouth, Portsmouth, Margate, Ramsgate, Folkestone, Southend, Watford, Enfield.

JULY 6, 1912

# Potter & Clarke's Original Specialities.



Handsome Show Plate with all orders

## CREAMS.

A REVOLUTION IN MEDICATED LOZENGES.

Raspberry  
Sulphur  
CreamsLemon  
Sulphur  
CreamsChocolate  
Sulphur  
Creams

ONLY SHOW THEM.

THEY SELL THEMSELVES.

4-lb. Boxes, 8d. lb. ... 3½d. pkts. (4 oz.), **2/3** doz.

## FRUIT CRYSTALS.

**3½d.** bottle makes  
2 gallons.

HANDSOME  
SHOWCARDS  
WITH ALL  
ORDERS.



TRADE MARK.



THE  
GUARANTEE OF  
PURITY.

Lemonade  
CrystalsLemon  
Squash  
CrystalsLime Juice  
and Soda  
CrystalsBlack-  
Currant  
CrystalsRaspberry  
CrystalsPer dozen, **2/9**

...

Gross lots, **2/6** per dozen.

Sells all over the world. :: Customer's own name on gross lots. :: Special Cartons.

**FULL LISTS SENT ON RECEIPT OF BUSINESS CARD.**

# POTTER & CLARKE, LTD.,

WHOLESALE DRUGGISTS, GROWERS AND  
IMPORTERS OF HERBS, ROOTS AND BARKS,

60, 62, &amp; 64 ARTILLERY LANE, LONDON, E.

**WHOLESALE PRICES OF PHOSFERINE.****CASH WITH ORDER.**

|                                 |                            |
|---------------------------------|----------------------------|
| <b>1/1½ size Phosferine ...</b> | <b>10/2½ per dozen net</b> |
| <b>2/9 " "</b>                  | <b>25/6 "</b>              |
| <b>4/6 " "</b>                  | <b>40/9½ "</b>             |

5 GROSS LOTS (assorted sizes if required) subject to 1½ per cent. Cash Discount.

10 GROSS LOTS (assorted sizes if required) subject to 2½ per cent. Cash Discount.

**PROTECTED PRICE.**

The selling price of Phosferine is Protected, it must not be retailed in the United Kingdom under the following prices, viz.:—1½ size for **1/-**, the 2/9 size for **2/6**, 4/6 size for **4/-**.

Full prices to be obtained when possible.

**PHOSFERINE****The Greatest of all Tonics,**

Is a good paying line for Chemists—the Retail price is protected, and, as it contains nothing poisonous, it can be sold without restriction.

Being a highly Concentrated Medicine, its storage occupies very little of the valuable space in a Pharmacy.

It is one of the largest advertised medicines in the kingdom, and sells freely.

It can be recommended with the greatest confidence for all Nerve Pains, Nervous Disorders, Rheumatism, Nervous Headache, Dyspepsia, General Debility, &c.

**ROYAL COMMANDS.**

PHOSFERINE has been supplied by command of Members of the British Royal Family, H.I.M. The Empress of Russia, H.M. The King of Greece, H.I.M. The Dowager Empress of Russia, H.M. The Queen of Roumania, &c., &c., [1]

A recommendation that can be claimed for no other Proprietary Medicine.

**ASHTON & PARSONS, LTD.**  
LA BELLE SAUVAGE LUDGATE HILL, LONDON, E.C.

**CAUTION.**

To Imitators or Dealers in Imitations of

**PHOSFERINE.****PERPETUAL INJUNCTION**

WITH

**DAMAGES AND COSTS,**obtained against THE VENDOR  
for using the word**PHOSFERQUIN.****In the High Court of Justice.**

CHANCERY DIVISION.

Before MR. JUSTICE COZENS-HARDY.

Between ASHTON &amp; PARSONS, LIMITED,

Proprietors of "Phosferine" (*Plaintiffs*)

AND

THE VENDOR OF PHOSFERQUIN (*Defendant*).

A PERPETUAL INJUNCTION with damages and costs was granted on the 14th December, 1900, restraining the above Defendant, his servants and agents from in any manner infringing the Plaintiffs' Registered Trade Mark, 6530, and from selling or offering or exposing or advertising for sale or procuring to be sold any medical preparation not prepared by the Plaintiffs under the name of "Phosferine" or under any other name which by colourable imitation of the Plaintiffs, word "Phosferine" or otherwise was calculated to represent or lead to the belief that such preparation is "Phosferine" or is a preparation of the Plaintiffs, and from selling or supplying any such preparation as aforesaid in response to orders for "Phosferine" or for a preparation of the Plaintiffs or from otherwise passing off or enabling or assisting others to pass off any such preparation as aforesaid as or for "Phosferine" or a preparation of the Plaintiffs.

All information relating to the infringement or dealers in infringements of "Phosferine" will be confidentially treated, and should be addressed to the proprietors of "Phosferine,"

**ASHTON & PARSONS, LTD.**

LA BELLE SAUVAGE, LUDGATE HILL, LONDON, E.C.

Or to Messrs. J. E. EVANS-JACKSON & CO.,  
Patent Agents,  
Bristol House, Holborn Viaduct, E.C.

By Royal Warrant to  
H.M. The King.



By Royal Warrant to  
H.M. The King.

Only  
ONE  
Address.

Only  
ONE  
Address.

**DAY & SONS, ESTABLISHED 1840.  
CREWE. LTD (CREWE)**  
HORSE, CATTLE, SHEEP & DOG MEDICINES.

**LARGEST SALE IN THE WORLD.**



**DAYS' BLACK DRINK**

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

Price 1/8 per bottle.

**DAYS' HUSKOLEIN.**

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle.

**DAYS' "ZOMO-SAL."**

For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-

**DAYS' RED DRINK**

OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

**DAYS' OILS**

(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

2/6 and 6/- per bottle.

**DAYS' WHITE OILS.**

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sineus, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.



**DAY & SONS' "ORIGINAL" MEDICINE CHESTS**

Price £1 4s., £2 4s., £5, and £10 10s.; Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

WHEN ORDERING PLEASE STATE REQUIREMENTS.

The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

ONLY GENUINE FROM

**DAY & SONS, CREWE, LTD.,  
CREWE, ENGLAND.**  
LIBERAL TERMS FOR FOREIGN BUYERS.

# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JULY 6, 1912

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

## TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and  
Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers) and to ensure prompt insertion  
REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to  
telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY IS TELEGRAPHED  
at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C.  
Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules,  
Telephone: No 852 Bank (two lines). Telegraphic Address: "Chemicus London."

## It pays to pay for advertising in this Supplement.

## CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON (West End).—Dispensing and Retail Business; returns between £950 and £1,000 per annum; gross profit exceeds £600; large house; corner position; price £800; vendor retiring.

2.—LONDON, E.C. (Main Thoroughfare).—Old-established Business; returns last year about £1,070; gross profit 50 per cent.; good opening for extended trade; price to be arranged equitably.

3.—LONDON, W. (Residential District).—Good middle-class Business, Retail, Dispensing, and Optical; returns under manager between £850 and £900 per annum; roomy shop; corner position; comfortable residence; to effect a speedy transfer the sum of £1,000 will be accepted.

4.—LONDON, N.—Old-established Business, General, Retail, and Photographic; returns, present rate, £12 per week at fair prices; double-fronted shop; excellent position; no reasonable offer refused.

5.—EPPING FOREST (near).—Modern Pharmacy; main thoroughfare; returns under management about £700 per annum; roomy house, with private entrance; price £280; £120 will be accepted on entry and balance within two years.

6.—BANKS OF THE UPPER THAMES.—Good middle-class Business; position unique; returns about £800 per annum; double-fronted shop; convenient residence, private entrance; price £425, or valuation of stock and fixtures.

7.—LONDON, S.E.—Good middle-class Retail trade; excellent position; returns between £950 and £1,000 yearly; gross profit 375 and the net £258; handsomely fitted shop, double-fronted; 21 years' lease; vendor's own property; terms, valuation of stock and fixtures, or lump sum of £650.

Particulars of any of the above will be furnished on application.

N.B. NO CHARGE TO PURCHASERS.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**

# BRETT & CO.

Licensed Valuers,

78 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

**GIVES PERSONAL ATTENTION TO ALL VALUATIONS.**  
AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

## STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

- 1.—HALIFAX.—Good Retail; returns £950; valuation £365.
- 2.—NOTTINGHAM.—Returns £500; net profit £200; price £150.
- 3.—KENT.—Returns £1,400; net profit £310; price £900; good-class Retail and Dispensing; good house; offers invited.
- 4.—BIRMINGHAM.—Several Businesses for Sale in this district; prices about £250 to £500; send for particulars.
- 5.—LIVERPOOL.—Returns £1,000; splendid corner position; price £750.
- 6.—PUTNEY.—Returns £800; net profit £225; price £500.
- 7.—BRADFORD.—Returns £600; Light Retail; must be sold quickly; price £350; open to any reasonable offer.
- 8.—LEEDS (10 miles from).—Sound Light Country Business; returns £1,050; net profit £300; price, valuation of stock and fixtures, about £600; splendid opportunity.
- 9.—WILTSHIRE.—Light Family Retail, in bold corner position of nice town; returns £1,000; net profit £275; offered at a valuation of stock and fixtures to secure a speedy transfer; soundly established.
- 10.—SOUTH AND NORTH WALES.—Several Businesses for Sale, returning £1,200 to £2,000 at good profits; bona-fide buyers may have particulars upon stating locality they desire.
- 11.—PADDINGTON.—Two or three desirable Businesses in this locality for Disposal; prices about £400 and having very good profits; early application advisable.
- 12.—DURHAM CO.—(1) Returns £512; net profit £111; price £280. (2) Returns £550; net profit £220; price £300. (3) Returns £855; net profit £220; price £550. (4) Returns £780; net profit £210; price £350. (5) Returns £500; net profit £130; price £300.

## VALUATIONS.

# MESSRS. BERDOE & FISH,

*Chemists' Valuers and Transfer Agents,*

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

### Have the following Businesses for Disposal. (No charge to purchasers.)

- 1.—SOUTH COAST.—Good-class Light Retail and Dispensing Business; returns over £2,100, increasing; books well kept; corner shop, well fitted and stocked; price £1,150, or valuation terms arranged.
- 2.—MIDLANDS (Death Vacancy).—Old-established Mixed Retail and Wholesale Business; returns over £3,000; splendid position; large premises; same hands many years; price £2,000, simply valuation.
- 3.—KENT (Market Town).—Old-established good Family Retail and Dispensing Business; returns £900, increasing; gross profits fully half; low rent; long lease; illness necessitates selling; price £700.
- 4.—WEST MIDDLESEX (Death Vacancy).—Good-class Business; unopposed; healthy locality; returns £750, was doing £900; net profit about £300; attractive Pharmacy; good house; price £675.
- 5.—SOUTH MIDLANDS.—Unopposed Village Business; rapidly growing; returns £11 to £12 a week; net profit a third; low rent; corner shop; stock worth £300 to £350; price £560.
- 6.—BERKSHIRE.—Sound unopposed Country Retail; easily worked; returns £555; average net profit £206; large house and garden; rent £35, on lease; price £285, or valuation.
- 7.—EASTERN COUNTIES.—Sound unopposed Light Country Retail in small town; returns about £600; easily worked; nice house, garden, greenhouse, etc.; same hands many years; price £350, about valuation.
- 8.—SOUTH WALES.—Sound unopposed Light Retail in rapidly growing district; returns nearly £850; net profit about £250; owner retiring; price £450, or valuation.
- 9.—LONDON, S.W. (Death Vacancy).—Light Family Retail and Dispensing Business; returns £700 to £800; unlimited scope in smart hands; excellent stock; good position; price £600, or near offer.
- 10.—WEST END (Main Road).—Good-class Suburban Retail and Dispensing; returns about £1,000; net profit £320; large house and garden; well fitted and stocked; price £700; books well kept.
- 11.—LONDON, S.E.—Very profitable Cash Retail and Prescribing Business, in good main road; net profit about £200; scope for increase; low rent; large double-fronted shop; price only £250.
- 12.—MIDDLESEX.—Good-class Family Retail Business, in best position of rapidly growing locality; returns £1,100, increasing; elegantly fitted Pharmacy, fully stocked; weak opposition; modern house; price £950; strongly recommended.
- 13.—HOME COUNTY.—Sound Light Retail Business, in best position; returns £1,400; net profit £314; books kept by accountant; good premises; own property; price valuation, about £750.
- 14.—WILTSHIRE.—Old-established Light Retail, with Wines and Spirits; in same hands many years; returns about £900; plenty of scope; well-stocked shop; good house; price £600.
- 15.—CHESHIRE.—Good-class Retail and Dispensing Business, in most pleasant locality; returns £650 to £700; net profit fully £200; scope for increase; attractive Pharmacy; price £500, or valuation.
- 16.—CO. DURHAM.—Unopposed Light Country Retail in pleasant town; returns £656; net profit £223; convenient house; low rent; price £300, or valuation.
- 17.—YORKS (West Riding).—Good-class progressive Business in best position of growing suburb; returns about £600: fine corner shop and large house; low rent; valuation required about £300; all over £200 can remain.
- 18.—WORCESTERSHIRE.—In centre of busy town; returns £600 under manager; net profit £200; price, valuation, about £300.
- 19.—HERTFORDSHIRE.—Good Cash Business, in growing town; returns about £750; net profit £258; retiring; price £575.
- 20.—BANKS OF THAMES.—Unopposed Business; returns £800; net profit £235, increasing; price £500, or offer.
- 21.—LONDON (Surrey Suburb).—Smart up-to-date modern Business, returning about £1,100; splendid position, and scope for considerable increase; all in excellent order; low rent; long lease; price £900 or offer.
- 22.—LONDON, S.E.—Good-class Suburban Business; no side-lines; returns exceed £950; net profit £258; books properly kept; handsome shop; own property; price £650; recommended.
- 23.—NORTH LONDON.—Light Suburban Retail, in growing district; returns £15 weekly; low rent; modern-fitted shop; good stock; no near opposition; price £350; personally inspected.

**BUSINESSES WANTED.** We have a large number of cash buyers waiting to invest from £500 to £2,000, in sound concerns, and intending vendors are cordially invited to write for our terms. No sale, no charge.

# PARSON C. BAKER

PHARMACEUTICAL CHEMIST,

LICENSED VALUER,

174 VICTORIA STREET, LONDON, S.W.

Telephone: No. 27 Victoria.

Recommended by

MESSRS. BARRON, HARVEYS & CO.

(of The British Drug Houses).

MESSRS. MEGGESON & CO., LTD.,

BARCLAY & SONS, LTD.

Fifty years' experience of the Drug trade in all its branches, Wholesale, Retail, Town and Country, invites inquiry from Purchasers or Vendors, and offers his services on moderate terms as Adviser or Agent. Stocks taken and Valuations made promptly, whether for Sale, Probate, or Accountancy, at reasonable rates. Terms on application. List of Businesses for Sale and of purchasers requiring Businesses sent by request. Correspondence invited. No fees charged or expenses incurred except by special agreement.

# TOM TOM

Telegraphic Address.

THOS. TOMLINSON & SON, LTD.

Chemists' Valuers and Expert Stocktakers.

Businesses transferred privately.

30 NEW CANNON STREET, MANCHESTER.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

## BUSINESSES for DISPOSAL

3s. 6d. for 50 words or less: 6d. for every  
10 words or less beyond, prepaid.

### COLONIAL BUSINESSES

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

LETTERS in reply to Advertisements may be addressed to this Office, and will be forwarded to the Advertiser for an additional charge of 6d.

Trade circulars, samples, and printed matter can in no case be forwarded.

**B**LACKBURN (near).—Chemist's Business for Sale; profitable trade; beautifully fitted shop; all new stock; takings £460 per annum; price £250; full investigation; golden opportunity; suit young man; stock could be further reduced. Apply 72/25, Office of this Paper.

**B**OLTON.—For Sale, this old-established Drug Store (over 46 years); main thoroughfare; good accommodation; comfortable living; few Patents sold; trade can easily be increased by advertising; price £185, or valuation; stock is worth more; only terms cash; can be seen by appointment. C. E. Donnelly, 239 Derby Street, Bolton.

**K**ENT.—£100.—Old-established, profitable Business, in main street; returns £10 to £12 weekly; lock-up shop and basement; rent £40; use of fittings and fixtures £5 per annum; rare opportunity for smart man; will bear every investigation. "Maids" (75/2), Office of this Paper.

**L**INOS.—Unopposed Mixed Country Chemist's Business, with Light Grocery, in good Agricultural district; returns over £1,700; nearest Chemist 8 miles; population 1,000; good stock and fixtures; low rent; price £700. Address, "B.", c/o Messrs. Loft House & Saltmer, Ltd., Hull.

**L**ONDON, N.—Branch, in centre of busy main road market; modern Pharmacy, handsomely fitted; well-assorted stock; returning under unqualified management and no Poison sales nearly £200; very few Patents; large profits; fair house in excellent repair; rent £60, worth £80; price, valuation and £75 goodwill, or will sell right out at a low figure; trial allowed if required. "A. Z." (50/37), Office of this Paper.

**L**ONDON, W. (close to Whiteley's).—High-class Chemist's with good Dispensing trade and several Proprietary articles selling well; average gross takings £850 per annum; established 1851; two-roomed house, with side entrance and prospect of letting off; lease will be granted, or 18 years' lease disposed of for moderate premium; price for goodwill £500; stock and fittings at valuation. Address, Box 786, c/o Gibhs, Smith & Co., 10 High Holborn.

**L**ONDON, W.—Very profitable Cash Retail Business in busy main thoroughfare, with valuable appointment attached; returns about £1,200, increasing; net profit £350, after deducting every expense, including assistants; family reasons sole cause of selling; price £700; part can remain if wished. Address, 77/140, Office of this Paper.

**L**ONDON, N.W.—Business, with exceptional possibilities of increase; shop well stocked and fitted; good position and no position; house 7 rooms; rent £42; low price if sold at an early date. 77/13, Office of this Paper.

**C**LANCHESTER (near).—Genuine Light Retail, Cash, Prescribing, Mixed Business; established 16 years; main street; busy; double-fronted; electric light; full Wine Licence; low rent; long lease; good profits; returns £12 week under unregistered; opening for Dental and Optics; good living accommodation; known only cause of sale; valued at £290, hut open for reasonable offer for quick sale. "Drugs" (229/15) Office of this Paper.

**C**LANCHESTER (two miles).—Old-established Business, with Wine Licence; busy main thoroughfare; healthy locality; convenient house; business small, but profitable and capable of extension by energetic man; owner desires to sell through age; price, £175; the stock is good and alone is worth the money. Gresley, 175 Broad Street, Pendleton.

**C**LANCHESTER.—£450 will buy sound well-established Business; has taken under manager over £20 per week; can do more; 33 per cent.; exceptional position; main road. 76/31, Office of this Paper.

**C**EAR, Holborn.—Drug and Fancy Trade Business for Disposal, with good Club connection, doing a very profitable turnover 10 weekly; well stocked; expenses small; strictest investigation demanded; price £220, or at valuation. W. Williams, 32 Bernard St, Russell Square, W.C.

**N**EAR Sheffield.—Well-fitted shop; electric light; good house; easy rent; working-class district; suit qualified or unqualified; married man preferred; takings £500 year; price £135, value only of stock and fixtures; good profits; few Patents. "Alpha" (73/40), Office of this Paper.

**N**ORTHAMPTONSHIRE (South).—Genuine Business in large Village; population 1,700, population within 4-mile radius 4,000 to 5,000; no opposition within 10 miles; returns £11 to £12 per week, increasing; net profits 33 per cent.; well-stocked corner shop; rent (including house) £18; opening for Optics and Dentistry; price about £360. 75/24, Office of this Paper.

**P**ECKHAM, S.E.—For Disposal, an old-established Business, returning £5 under unqualified management; has been double, but has been neglected, owner having had little time to attend to it; well fitted, with up-to-date stock; net rent 12s. weekly; will accept £95 from quick buyer. Apply 72/18, Office of this Paper.

**S**COTLAND, Paisley.—Well-fitted and stocked Shop in main thoroughfare; good start for young man; good reasons for disposal; no reasonable offer refused. McCullum, 172 Kensington Road, Reading.

**S**EASIDE Resort (West Coast Lancashire).—Small profitable Business, lock-up shop, doing nice Light Retail; trade improving; owner desirous of going north; low rent; good prospects; good living assured; season commences July, when busy time guaranteed. Apply, 74/5, Office of this Paper.

**S**OUTH WALES.—Splendid opportunity for a young qualified to take over, on easy terms, a small up-to-date Pharmacy doing £400-£500 a year with ample scope to increase; owner, having wholesale business, desires to devote his whole attention to same; established over 30 years. Apply to "Cymro" (70/36), Office of this Paper.

**S**URREY (11 miles out).—Cash Business; increasing turnover; profits above average; few Patents; good residence; ample scope for development; opposition slight; price £300. 74/14, Office of this Paper.

**S**URREY.—£500 required for thorough sound Light Retail Business, returning £1,350 (present rate); neglected; can quickly do £30 to £35 weekly; well situated in good residential town, within easy reach of London; fine shop and house; only requires seeing; quick sale desired; honestly worth £800. Apply, "Special" (77/14), Office of this Paper.

**T**YNEMOUTH.—Light Retail and Dispensing Business for Disposal; house attached; Tobacco, Stationery, and Stamps as sidelines; fine opportunity for energetic man; no near opposition; proprietor going abroad; good and growing neighbourhood; price £200; rent £30; immediate possession if wished. 72/24, Office of this Paper.

**W**EST END.—Cash Retail and Prescribing Business in main-road position, near Oxford Street; returns about £500; gross profits fully half; plenty of scope; very low rent; sound reasons for selling; price £110 for immediate sale; stock and fixtures worth more than this amount. 77/23, Office of this Paper.

**W**ILTS.—For immediate Disposal, old-established Chemist's Business with Wine and Spirit Licence; nice shop and house; in good position; also large garden; returns (progressive) over £1,000 yearly at good profits; expenses low; held on lease at moderate rental; incoming by valuation, about £450. Apply, W. Stanley, 36 Baldwin Street, Bristol.

**Y**ORKSHIRE.—For immediate Disposal, sound General Business returning over £800 per annum; net profits average £235; well stocked and smart appearance; good house; bathroom; electric light; rent £45 on renewable lease; no goodwill; valuation only, about £550. Apply "Beta," Southall Bros. & Barclay, Ltd., Valuation and Transfer Department, Birmingham.

**100 ABBEY STREET**, Accrington, Lancs. *Re* Walter Sidebottom. In Bankruptcy.—For Sale, as a going concern, a good Chemist and Druggist and Photographic Business; large and convenient premises; splendid opportunity; stock nearly new; Sub-Post Office attached. Particulars on application to C. H. Plant, Esq., Official Receiver, Preston, and to view apply Chas. Hacking, 81 Abbey Street, Accrington.

**A**RARE chance at bargain price; must be sold; returns £900; Mixed Light Retail and Family trade, Prescribing, and some Photographic; excellent opening for Dentistry or Optics; stock, fixtures, and fittings about £650; will accept £550 for quick sale; guaranteed genuine; honestly worth £750; rent £45, lease; only requires seeing to sell readily. "Business" (76/33), Office of this Paper.

**A**DVERTISER, leaving England, must sell his Business immediately; returns 1911 over £1,600; net profit £450; thoroughly sound business; best possible position; every investigation allowed; £700 down, balance by instalments, will buy; quick sale essential; first reasonable offer accepted, as owner sails soon. 74/4, Office of this Paper.

**A**N exceptional bargain; Pharmacy, as a going concern; must be sold at once; excellent reasons for disposal; price £250; London flourishing Suburb; price includes elaborate fittings and whole of stock. 74/33, Office of this Paper.

**A**TTRACTIVE Business, in outer residential suburb, returning nearly £1,000; Photographic trade neglected; good opening for other side-lines; fully stocked, handsomely fitted Pharmacy; after paying all accounts and expenses net profit is over 27 per cent.; price £650, or valuation terms. Further particulars from "Spes," c/o Messrs. Willows & Co., Ltd., 40 Aldersgate Street, E.C.

**C**HEMIST'S and Aerated Water Business.—For Sale, as a going concern, the old-established Business lately carried on by Rowland Smith at No. 52 Market Square, Retford, and for over a century previously by the Appleby family; the Aerated Water Business is a profitable department, and there is an Agency for Gilbey's Wines and Spirits. For further particulars apply to Thos. Glenn, junr., Incorporated Accountant, 1 Union Street, Retford.

**C**HEMIST'S Business, well stocked, for Sale immediately; price £170, or nearest offer; situated in healthy country district near Sheffield; good living accommodation; low rent; house recently decorated; nearest opposition 3 miles; plenty of scope for smart man. Full particulars from H. Cox, Yew Lane, Ecclesfield, near Sheffield.

**C**HEMIST'S and Druggist's Business; exceptional opportunity to secure old-established Business situate in good locality; moderate rent. Apply Walford & Wilshin, 137 Anerley Road, S.E.

**D**EATH Vacancy.—Old-established Business in Hinckley (Leicestershire) for immediate Sale; splendid opportunity for up-to-date man; best site in town; if no offers, will be sold by auction on 18th inst., stock, fixtures, and freehold property, as a whole; upset price £1,200; worth considerably more. Apply, Executors Pridmore, Castle Street, Hinckley, or Orchard & Joyce, Auctioneers, Hinckley.

**E**XCEPTIONAL opportunity for beginner; 8 years established; Light Retail and Prescribing Business, in busy manufacturing town, showing already a handsome profit on little capital, with plenty scope for increase; fittings and stock in excellent condition; cheap to effect quick sale; owner retiring from the trade. 7/11, Office of this Paper.

**F**OR Sale, in thickly populated district; has done £7 weekly; no Patents practically; a splendid opportunity for little expenditure; well fitted and stocked; nice appearance; rent low; price £60; half down, balance by instalments. Apply, West End Pharmacy, 48 Newland Street West, Lincoln.

**O**LD-ESTABLISHED Business, with Medicated Wine Licence; principal thoroughfare to the Station; Proprietary Preparations attached to the business, which may be separated; advertiser, after being in business nearly 50 years, wishes to dispose of same; personal interview necessary; a rare opportunity for two energetic young fellows. Ashford, Chemist, Northampton.

**P**ROFITABLE Light Retail Drug and Photo Store; established about 15 years; thriving industrial town, North-East Coast; comodious shop and house; opening for Optics and Dentistry; satisfactory reasons for disposal. Apply 7/11, Office of this Paper.

**R**E George Webster Cousins, late of 116 New Cross Street, West Bowling, Bradford, Drywalter, deceased. The Administratrix, being anxious to wind up the estate, has decided to offer for Sale as a going concern the Business of the above deceased. It is an old-established Business, and as there is a good connection it forms a splendid opportunity for any firm or person desirous of enlarging their business or commencing on their own account. "The Poor Man's Friend," Chest and Lung Balsam, and Indian Bark are three of the special lines sold by the above. For particulars apply to Albert V. Hammond, Solicitor, Dale Street Chambers, Bradford; or John Lund, Incorporated Accountant, 17 Cheapside, Bradford.

**T**o be Sold, after death, Perfumery and Millinery Business, "Lenthalier," rue St. Honore, 245, Paris. Apply to Ditts, Notary, 10, bis, Bd. Bonne Nouvelle, Paris.

**£85.** —Snug little Business for Sale, S.E. district; well fitted and stocked; good all-round trade; sole reason for selling, illness good chance for beginner; no near opposition; unqualified management; takings average £6 weekly; could easily double. Stamped address for further particulars, "Drugs" (76/36), Office of this Paper.

## TO LET.

**E**XCELLENT opportunity to start lucrative business in well-known and charming country town 30 miles of London, where a Chemist is badly wanted; nice little shop with good living accommodation available, situated in best business part of the High Street; main drainage, etc.; rent only £25 per annum; a little fortune waiting for capable Chemist. For further particulars apply Frank Chown, Surveyor, Norbury, S.W. Telephone 339 Streatham.

**N**EW Shop to Let with house (finished shortly), good opening for Chemist, in growing neighbourhood; three minutes from station; near public baths. Apply, G. M. Barnard, 150 Boothferry Road, Goole, Yorkshire.

## SALES BY PRIVATE TREATY.

### UNDER DEED OF ASSIGNMENT.

**A**S going concern, or separately, the Plant and Stock-in-Trade of an old-established Essence Distillery, lately carried on by Merchant & Co., Shakespeare Street, Southport, consisting shortly of Still, Condensers, Boilers, Steam Pans, Grinding Machinery, Gas Engines, large quantity of miscellaneous Plant and Apparatus, Plant for small Engineering and Smith's business, Metal Polish business, valuable Trade-marks, protected in England and English-speaking countries; large stock of unnamed Labels, Showcards, Posters, and general printed matter as sold to Aerated-water Manufacturers, stock of Essential Oils, Rose and other Ottos, Essences, Powder, Colours, Ginger and other Extracts.

Further particulars and inspection by arrangement with Davies & Crane, Chartered Accountants, 399 Lord Street, Southport.

## PREMISES FOR SALE.

### DOVER.

**F**OR Sale, with possession, the important, substantially built and spacious

### MANUFACTURING PREMISES,

### COVERING ABOUT TWO ACRES,

situate within 100 yards of the Docks and with Railway Siding, formerly known as the "OIL MILLS."

Storage capacity of about 13,000 tons in Buildings and about 8,000 tons in Roman Cement tanks.

Also very extensive caves, together forming a property probably unique on the

### SOUTH EAST COAST,

and specially suitable for an Oil or Petrol distributing centre, also for Engineering Works, Bonded Stores, General Warehouse, or Manufactory.

Particulars of FLASHMAN & CO., Estate Agents, Dover.

## FOR SALE.

**C**HEMIST, retired owing to disposal of premises, has for Disposal the entire high-class Fittings, etc., together with a small remaining stock; to those commencing business, or others requiring such, inspection is cordially invited; a low but fair valuation will be accepted; no cards. Address Stead, Chemist, St. Annes-on-Sea.

**C**HEMIST'S Stock and Fittings, either as going concern or in lots, comprising 200 Stop. Bottles and contents; Do. 36 Ointment Jars; Sundries; British Machine Till (receipt giving); Dispensing Scales (Avery); Pill Machine, 5 gr. (new); Suppos. Mould (new); Mahogany Shelving, Lockers, and 36 Drawers, Recess Labels; 15 ft. 12 ft. Counter, fitted 36 Drawers, with Glass Cases (5) in front; Bent Counter Case, 5 ft.; Perfume Case and Desk; 12 ft. Wall Cases, with 5 small Cases underneath; Dispensing Screen; Outside Lamp (red); Pestle and Mortar; Drugs, Patents, Sundries, Wines; state wants; declining business. "Chemist," 123 Chillingham Road, Newcastle.

**T**HE complete set of Fixtures, Fittings, and all Trade Utensils for Chemist's shop for Disposal. J. & J. Thompson & Co., Ltd., 192 Manchester Street, Oldham.

## PARTNERSHIPS.

**M**R. T. H. DYSON, having retired from the position of a Director in Symes & Co., Ltd., the Company desire to appoint in his stead a gentleman with capital, capable and willing to take an active part in a good-class Dispensing business. Communications (which will be treated confidentially) to Dr. Symes, 14 Hardman Street, Liverpool.

**P**ARTNER wanted (Wholesale and Retail); £500; limited liability; an unusual opportunity for young, ambitious Chemist to manage at home; the other Partner can and is placing all over the country the well-established and most valuable Proprietaries; Retail returns about £1,000; exceptionally profitable, but the right man could considerably increase; must have knowledge of Photography, with experience in a country Agricultural business. Apply, "Intuition" (61/34), Office of this Paper.

**P**HARMACIST, with capital, linguist, well experienced in West-End and Continental Dispensing, Photography, Homeopathy, etc., desires to meet another Pharmacist with small capital, and preferably with Optical qualification, with view to opening a high-class Pharmacy in exceptional position, on mutual terms. Replies, in confidence, "Specialist" (77/20), Office of this Paper.

## BUSINESSES WANTED.

**E**XPERIENCED Chemist, well recommended, wishes to Purchase Business on easy terms; Midland country district preferred; £100 cash, balance by arrangement. 75/14, Office of this Paper.

**W**ANTED, sound Retail, in South Coast town preferred; must show returns of £1,500 and up to £3,000 or no use whatever, at net profits of about 20 per cent.; cash available and in hand by advertiser (who would pay well in goodwill for the right business) about £2,500; strictest confidence guaranteed. Reply, "Business" (229/23), Office of this Paper.

## AGENCIES.

**C**ANADA.—A gentleman, covering the whole of Canada, with best possible connections in the Drug and Chemical trades, is now in London and open for Representation of a first-class Sundries and Speciality house on part expenses and commission. Address, "X. L." (76/18), Office of this Paper.

**F**AR EAST.—Experienced Representative, well known, and having excellent connection among buyers from Ceylon to Japan, wants Agencies for first-class Drug house, Sundries, Specialities, and other general lines; terms, commission and part expenses; returning East in autumn; constant working, with Singapore as base. 62/32, Office of this Paper.

**S**OUTH AFRICA.—An old-established firm, dealing in Druggists' Sundries and Surgical Dressings, desires to be represented in South Africa; part expenses and commission. Apply to 225/24, Office of this Paper.

**A**N honest and straightforward resident London Apothecary of repute or Manufacturers' Agent wanted by an American Company, marketing Druggists' Counter Specialities, to represent the said Company in London. As this representation involves no labour or responsibility until the line is established the nominal sum of five pounds yearly only will be paid at present. However, liberal compensation will be allowed for any additional services or labour performed. Bank or wholesale references required. 60/16, Office of this Paper.

**C**OLONIAL Trade.—Member of a British firm with Colonial connections will shortly visit Canada, Australia, and New Zealand, and is open to hear from manufacturers desirous of developing their business in these markets. Reply 71/8, Office of this Paper.

**F**IRMS desirous of opening up trade with the U.S.A. and Central America should apply to the advertiser, who is leaving for above territory early in September, and is open for one or two more first-class Agencies. Apply, 73/11, Office of this Paper.

**T**RAVELLER, at present representing large Australian house in Europe, and who is returning to Australia shortly, would like to take back one or two first-class Agencies with him; he has a thorough knowledge of the country and is well introduced in the highest commercial circles in Australia; or would entertain proposal to represent one firm exclusively; highest London bankers' references given. Box T. B., W.H.S. & S., 55 Fetter Lane, E.C.

## APPRENTICESHIPS.

**V**ACANCY for Dental Pupil; indoors; one who has passed Preliminary Examination preferred; moderate premium; personal interview. W. S. France, L.D.S., Broad Quay, Bideford.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

**N**OTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

## RETAIL.

**A**YLESBURY.—Wanted, a good all-round qualified Assistant, accustomed to a brisk Retail and Dispensing business; good salesman, Window-dresser, and Dispenser; age under 30. Apply, giving references, salary (outdoors), and enclose photo if possible. F. J. James, Chemist, Aylesbury, Bucks.

**B**LACKPOOL.—Junior or Improver required for Light Retail business; must be an active and able Counterman, willing and obliging to customers; also abstainer. State salary (outdoors), with photo and particulars, to Oliver L. Jackson, Pharmacist, 10th Promenade, Blackpool. Applications not answered in 3 days speedily declined.

**B**EACONSFIELD.—Wanted, a gentlemanly Junior, about 21 years of age, for a Dispensing business; indoors; preference given to one who has served a regular apprenticeship in a good-class Pharmacy. State height and send full particulars, with photo, to Mr. R. W. Brooke, Chemist, Beaconsfield.

**C**HESTER.—Junior required early in August (indoors) for good-class Retail and Dispensing business. Apply, with photo and references, J. P. Craine, Northgate Pharmacy, Chester.

**C**ITY.—Suit Student or Smart Junior; August 6 to September 7; hours 9.30–6.30; Saturday 1 o'clock; no Sunday; 30s. weekly and bonus; duties very light; Counter and Stock; strictest investigation; subsequent re-engagement on full time might be arranged. Write "Haetus" (76/19), Office of this Paper.

**C**LACTON-ON-SEA.—Wanted, for about 3 months, Junior Assistant, accustomed to Light Retail, Dispensing and Photographic Business; outdoors. Apply, giving full particulars, salary required, etc., enclosing photo, to W. Maun, Chemist, Clacton-on-Sea.

**C**ROYDON.—Qualified Assistant wanted; Dispensing and Light Retail and Photography. State full particulars in first letter, 76/37, Office of this Paper.

**D**OUGLAS, I.O.M.—Junior Assistant for about two months; outdoors; half-day weekly; Sundays, on morning or night; usual particulars. Apply, with photo and references, Greensill & Son, Douglas.

**E**ASTBOURNE.—Assistant wanted; indoors; well up in Dispensing. Send usual particulars, C. H. Temple, 83 South Street, Eastbourne.

**F**ELIXSTOWE.—Immediately, for 3 months, Junior, about 21, chiefly for Photographic work; three others kept; outdoors; extra duty small. Full particulars to H. F. Douthwaite, Pharmaceutical Chemist, Felixstowe.

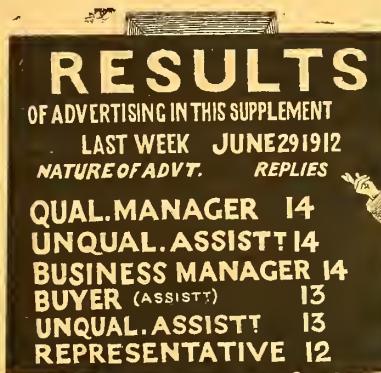
**H**ASTINGS.—Junior or Improver (indoors) for Light Retail and Dispensing business. Please state age, height, previous engagement, if past Preliminary, salary required, photo will oblige, Bolshaw, White Rock.

**H**ERTFORD.—Junior wanted, not under 20, for Dispensing and Photography. State salary required (outdoors), age, height, and references, enclosing photo if possible, to Geo. Durrant & Son, Pharmacists, Hertford.

**K**EW GARDENS.—Assistant; unqualified; indoors; Light Retail and Photographic business. State age, experience, and salary required, W. Morrell, Pharmacist, Kew Gardens.

**L**IVERPOOL.—Assistant, unqualified, age about 24; must be energetic and competent, for middle-class Retail and Dispensing business. Apply, with full particulars of age, height, experience, salary required (outdoors), and photo if convenient, and when at liberty, to W. Ashworth, Pharmacist, 24 Seaforth Road, Seaforth.

**L**ONDON, W.—Qualified Assistant required at once. Apply, by letter in first instance, to J. R. Walker, 36 New Cavendish Street, W.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or name de plume.

**L**ONDON.—Qualified Assistant required: must be good Counter-man, with knowledge of Photography, and able to take charge if required; outdoors. 72/23, Office of this Paper.

**L**ONDON, W.—Wanted immediately, capable Assistant for evening work from 7.30 p.m.; must be a good Counterman; preference given to one speaking French. 71/9, Office of this Paper.

**L**ONDON, W.—Wanted, Junior Assistant. Personal application, L. Roberts, Chemist, 2 Rupert Street, W.

**L**ONDON, N.E.—Junior Assistant; outdoors. State age, height, experience, and salary expected to Matthews & Son, Chemists, 722 High Road, Leytonstone.

**L**ONDON, S.W.—Manager, qualified, for small middle-class business; scope for energetic man; must be trustworthy and reliable; with or without view succession; permanency. State salary (outdoors) and full particulars, or call (wanted at once), Goodall, 66 Lower Richmond Road, Putney.

**L**ONDON, N.E.—An Assistant for a middle-class business; close Thursdays at 1; alternate Sunday duty 6 to 10 p.m. Apply, with full particulars and salary required, W. Sharman, Chemist, and Dentist, 186 Mare Street, London, N.E.

**N**EAR London.—Wanted, a quick, active man used to Country business, qualified, outdoors, for a permanency. Full particulars, J. B. H. Newbery, 27 and 28 Charterhouse Square, London, E.C.

**R**OYAL INFIRMARY, Bradford.—Locum Dispenser (Minor qualification) required for five weeks, commencing July 29; salary £2 2s. per week; Hospital experience preferred. Apply to the Pharmacist.

**S**T. MARY'S HOSPITAL, Paddington, W.—Wanted, a Junior Assistant Dispenser; Minor qualifications; ladies ineligible; salary £85 per annum, with luncheon and tea. Applications, stating age and experience, and accompanied by copies of not more than three recent testimonials, to be sent in to the undersigned on or before July 13. Thomas Ryan, Secretary.

**S**OUTH CROYDON.—Assistant wanted, about 24 to 26. Apply, with full particulars in first letter, to Noble, Chemist, South Croydon.

**S**URREY.—For 3 or 4 weeks, from July 15, unqualified Junior. A/513, Messrs. Wright, Layman, & Umney, Southwark.

**W**ESTON-SUPER-MARE.—Senior Assistant for Light Retail and Dispensing. Please send full particulars, stating salary required (indoors), to Ernest Widgery, Pharmaceutical Chemist.

**A** QUALIFIED Assistant, under 30, for a good-class Light Retail and Dispensing business. Please state age, height, experience, and salary required to J. G. Priddle, Chichester, S.E.

**A** N Assistant wanted chiefly for Dispensing in a good-class Light Retail and Dispensing business; qualification not essential; two kept. In reply please state salary required, with reference and photo, T. Matthews, Chemist, Ross, Herefordshire.

**A** SSISTANT required; outdoors; good Dispenser, Counterman, and one having knowledge of Photography. Apply personally, if possible, or by letter state age, experience, and salary required, to W. R. Mitchell, 63 Abbeville Road, Clapham, S.W.

**A** SSISTANT (registered) to manage Mixed Country Retail and Prescribing business in mining district in Durham; unfurnished house; married; must be reliable; one used to the class of business and wishing a permanency preferred. Apply, stating salary, age, experience, references, etc., to "Chemist," c/o Messrs. Ismay, Wholesale Druggists, Newcastle-on-Tyne.

**A** SSISTANT wanted; indoors preferred; please state when available and full particulars in first letter. Apply, Wade, Chemist, Llanclwy, South Wales.

**A** SSISTANT; young; unqualified; must have had good-class experience. Apply personally, or by letter, stating salary required, etc., to J. Duncan, Drug Department, Jones Bros. (Holloway), Ltd., Holloway, N.

**A** SSISTANTS, Senior and Junior, required at once; smart Salesmen, good Window-dressers, and with knowledge of Photography; references must bear the strictest investigation; permanency to good men; salary and commission. Apply personally, between the hours of 10-11 A.M., Monday, July 8, or by letter, with fullest particulars, to Parke's Drug Stores, Ltd., 65 Harrow Street, N.W.

**A** T once until end of September, a qualified Assistant, age under 30, quick and well up in Dispensing, for a good-class Seaside business; hours 8.30 to 9, Fridays and Saturdays later; good references essential; salary offered 3 guineas a week (outdoors). Apply, 74/1, Office of this Paper.

**C**OMPETENT Manager wanted for branch business, London, to live out; liberal salary and commission. Apply, 76/25, Office of this Paper.

**D**ISPENSER (Locum Tenens, female preferred) wanted at the Brook Fever Hospital, Shooter's Hill, Woolwich, from July 22 to August 12. Terms on application to the Medical Superintendent.

**G**. R. THARRATT, 17 Myrtle Street, Liverpool, requires immediately (for about six weeks only) a Junior Assistant, accustomed to Retail and Dispensing business; applicants will oblige by stating experience, salary required (outdoors), and give references in first letter.

**H**OLIDAY Assistant for August; one used to good-class business. Apply H. H. Long, 48 Dorset Street, Baker Street, London, W.

**I**MMEDIATELY, qualified or unqualified Assistant; good Counter experience; age about 25; outdoors if preferred. Apply personally at 62 Vassall Road, Brixton, S.W., or Temperance Billiard Hall Buildings, Coldharbour Lane, Brixton.

**J**OHN BELL & CROYDEN, 50 Wigmore Street, require a gentleman, qualified, with good Dispensing experience; outdoors. Call or send particulars, with photo preferred.

**J**UNIOR Assistant wanted, knowledge of Photography preferred, for three months. State age, experience, references, salary required, and state when at liberty with application, Chapmans, Chemists, Scarborough.

**J**UNIOR Assistant, outdoors, accustomed to high-class Dispensing business. Apply, with full particulars and photograph, S. H. Smith, Pharmaceutical Chemist, Leamington Spa.

**J**UNIOR Assistant wanted (indoors) for September 1, for good-class business, with knowledge of Photographic trade. State salary required in first letter, also references, Williams & Smith, Horsham.

**J**UNIOR Assistant wanted at once; outdoors; must be a good Counterwoman, with knowledge of Photography. State age, height, salary, with usual particulars, and when disengaged, Newton Wright, The Pharmacy, Ilford.

**J**UNIOR Assistant; unqualified; outdoors; good-class Dispensing, Retail and Photography. A. Holmes, Chemist, Ramsgate.

**J**UNIOR Assistant (indoors) for Light Retail, Dispensing, and Photographic business; time for study could be arranged if desired. Please send full particulars, with height, to Greatrex, Chemist, 112 Wandsworth Bridge Road, Fulham, London, S.W.

**J**UNIOR, active, of good address, who has had 5 or 6 years' good-class experience, for Light Retail Family and Photographic business; no Sunday duty. Apply, with full particulars and salary (outdoors), to Shilcock & Sons, Chemists, Bromley, Kent.

**L**EWIS & BURROWS have a vacancy for a qualified Dispenser for the West End; outdoors; liberal and progressive salary. Reply, enclosing photograph and full particulars, to 146 Holborn Bars, E.C.

**L**OCUM.—Wanted, young qualified; abstainer; Photography; outdoors; August 10 to 24 inclusive; state terms. Also Part-time Assistant or Improver wanted at once. Sawdon, Chemist, 795 Lea Bridge Road, Walthamstow.

**M**ANAGING Assistant, also Improver or Junior, for middle-class Retail business in Kentish town; former qualified, age 25-30, knowledge of Optics and Photography preferred, live on premises (unfurnished) if married; latter unqualified, age 19-22, outdoors, time allowed for study. Full particulars of experience, references, when disengaged, salary required, etc., with photo (to be returned), to "Krypton" (75/8), Office of this Paper.

**M**ESSRS. COOPER, SON & CO., LTD., 24 Sloane Street, Belgrave, S.W., require qualified Assistant (outdoors), age 23-25, as Dispenser. Apply to "A. J. B. C." stating age, experience, salary required, and enclosing photo (returnable) if convenient.

**Q**UALIFIED Branch Manager required; steady man with good references. Particulars to Griffiths & Co., Chemists, Droylsden.

**Q**UALIFIED General Assistant, near Liverpool, by August 7; moderate progressive salary (outdoors), or salary and commission; abstainer preferred; dinner and tea provided on the premises if preferred. Please give full particulars and state salary required, and if disengaged, to "Mutual" (72/15), Office of this Paper.

**Q**UALIFIED smart young men wanted, principally for holiday relief; permanency if suitable; no Sunday duty. Full particulars, age, height, salary (outdoors), experience, references, photo (to be returned), Superintendent, Taylors' Drug Co., Ltd., P.O. Box 141, Leeds.

**Q**UALIFIED Junior for Mixed Country business; no Sunday work; weekly half-holiday; to live in. Apply, S. Cusion, High Street, Billingshurst, Sussex.

**Q**UALIFIED Assistant, about 30, for Mixed business; outdoors; no Sunday duty; permanency. Apply, stating salary, age, and full particulars, to J. Huime & Co., Ltd., Greenacres Hill, Oldham.

**Q**UALIFIED Assistant required (outdoors), about 24 years of age, with good Dispensing experience. Apply to A. J. Phillips, 156 Cromwell Road, South Kensington.

**Q**UALIFIED Chemist for Edinburgh; excellent opportunity for Chemist desiring to study for Medical or other career; short hours; good salary; permanency. Apply, 228/34, Office of this Paper.

**Q**UALIFIED resident Manager wanted for working-class business near London; good house; reasonable hours and commission on profits; comfortable permanency to good man. Cole, Chemist, Thornton Heath.

**Q**UALIFIED Chemist as Locum Tenens wanted for 3 weeks in August for Poor Law Infirmary; please give usual particulars and state remuneration expected; hours 9 to 5, with dinner daily. "A." (77/2), Office of this Paper.

**Q**UALIFIED Manager wanted for small Branch; good Salesman and Prescriber; abstainer preferred; live on premises if married; moderate salary with commission on turnover; must be well recommended. Full particulars, references, and photo (returned), Emmerton, 27 High Road, Balham, S.W.

**Q**UALIFIED Assistant wanted. Apply to Poingdestre & Truman, 71 Old Kent Road.

**Q**UALIFIED Manager at once, with good experience, to take entire charge. Apply, "T. B.", 18 Exmouth Street, E.C.

**R**ELIABLE Assistant required; unqualified; Counter and Dispensing; used to Photographic business; abstainer preferred. State age, height, experience, salary (indoors), enclose photo, to Davies, Chemist, Havant, Hants.

**S**MART gentlemanly Junior (indoors), accustomed to Dispensing and Photography, for good-class business. Apply, with full particulars as to age, height, experience, references, salary, etc., to Rees Barrett, Dispensing Chemist, Clevedon, Somerset.

**S**MART and capable Assistant, unqualified, for quick Store trade. Apply, giving previous experience, age, salary required, Wards, Ltd., 12 Haymarket, Leicester.

**T**EMPORARY unqualified Assistant (indoors) for August Bank Holiday week (commencing Tuesday) and week following; Light Retail and Dispensing business. Particulars and salary required to Rex Allen, Chemist, West Bromwich.

**U**NQUALIFIED; outdoors; four weeks from August 1; well up in Photographic work (Developing, etc.). Apply, stating age, references, and wages required, to Cole, William Street, Herne Bay.

**W**ANTED, a smart gentlemanly Junior Assistant, unqualified, for Dispensing and Photography; outdoors. References, age, and salary to Jennings, Pharmacist, Hoylake, Cheshire.

**W**ANTED at once, Assistant, unqualified, with knowledge of Photography; good Salesman. Apply, with full particulars, to Robert E. Pearce, M.P.S., 24 Bank Street, Newquay, Cornwall.

**W**ANTED by July 30, a gentlemanly Junior, not under 22 years of age, for a Dispensing business; indoors; personal interview essential; an excellent opportunity for acquiring a practical knowledge of Botany. State height and full particulars to Edwards, Pharmacist, Kew.

**W**ANTED immediately, qualified Manager for branch shop; good salary and commission. Apply, S. T. Shaw, Chemist, Golcar, near Huddersfield.

**W**ANTED, qualified Manager for branch shop; married preferred; Light Retail and Dispensing business; good-class suburb; salary and commission. Bates, Brooks's Bar, Manchester.

**W**ANTED at once, an Assistant, age about 23 or 24, for first-class Store trade; outdoors; another kept. Apply, King's Dr. Stores, High Street, Sutton, Surrey.

**W**ANTED at once, Assistant (young) for Retail Dispensing; indoors; moderate hours; time for study if required after August. H. Lyon, Formosa Street, Paddington, W.

**W**ANTED at once, qualified Assistant, over 30, for Agricultural business; also Junior. Usual particulars apply Gostling & Co., Chemists, Diss.

## WHOLESALE.

**L**ONDON, S.W.—Required, Warehouseman, used to Patent Medicines and Druggists' Sundries; age about 25. Write, stating full particulars and wages required, to 4-6 Self's Advertising Offices, Fleet Street, London.

**A**GENTS on commission for first-class and well-known Toilet Soap; good commission; small territories. Address, 59/14, Office of this Paper.

**A**SSISTANT, with good knowledge of Chemistry and Milk Products, and some practical experience of manufacture, wanted for country Factory. Write full particulars as to age, salary, and experience, to "Powder," c/o Crossley & Co., Ltd., 57 Coleman Street E.C.

**C**HEMIST wanted for country Factory; Englishman, with knowledge of Milk Products, preferred. Apply, stating experience, qualifications, and salary required, to "Southern Counties," c/o The Dorland Agency, 3 Regent Street, W.

**J**UNIOR Clerk wanted; one who has had experience in the Wholesale Patent-medicine trade; age not exceeding 24 years. Apply, by letter, stating salary required and full particulars, to "Sundries" (77/10), Office of this Paper.

**P**HARMACEUTICAL Chemist wanted for berth abroad; experienced in manufacture Toilet Preparations, Perfumery, Proprietary Remedies; some Analytical ability advantageous; moderate starting salary, but advancement certain; unquestionable references required; state fully age, qualifications, experience, previous posts held with period of service, duties, and reason for leaving each, also remuneration expected. Address "America," c/o Advertising Offices, 15 Duke Street, W.C.

**T**ABLET Manufacturer for five-grain Tablets (Proprietary Medicine) required; must guarantee large daily output. Address "Tablets" (211/63), Office of this Paper.

## SITUATIONS OPEN

(Colonial, Indian, and Foreign).

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.**

**B**LOEMFONTEIN, Orange River Colony. — Qualified Assistant wanted for good business in this town; 3 years' agreement; salary £192, £204, £216 per annum for first, second, and third years respectively; second-class passage paid. Apply, stating full particulars of experience, to "G. H." (75/10), Office of this Paper.

**C**ALCUTTA.—Wanted, by September 1, Minor qualified Assistant for first-class European business; single; age 24 to 26; 4 years' agreement; salary first year £200 per annum, second year £220, third year £240, fourth year £280; second-class passage paid per P. & O. Apply, with copy testimonials and photo, to "R. L.," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

**N**ATAL.—Qualified Assistant required, salary £18, £19, and £20, for three years' agreement; second-class passage paid; total abstainer; excellent references required. Apply 227/38, Office of this Paper.

**O**STENDE—Ach, De Cock, Pharmacie Centrale, Belgium, requires an Assistant for the summer season; must be thoroughly acquainted with International Pharmacy. Apply, with references, to above address (urgent).

**L**ADING Canadian Hospital requires immediately Assistant Dispenser; fully qualified; £8 monthly with full board. Apply, with copies of testimonials, 70/38, Office of this Paper.

**O**PICAL Assistant, unmarried, D.B.O.A. or F.S.M.C., wanted for Rhodesia; must have a good knowledge of Photography and have had Pharmaceutical training; salary (outdoors) £20 per month first year, £22 10s. per month second year, and £25 third; 3 years' agreement; passage paid out. Apply, by letter only, "L." 14 Lafone Street, London, S.E.

## SITUATIONS WANTED.

**1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.**

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

### [HOME].

### RETAIL.

**A** SSISTANT Dispenser; Hall; lady; permanent or locum. "Cinchona," 96 Spring Bank, Hull.

**A** SSISTANT; 20; in- or outdoors; 4 years' Dispensing and Counter experience. "Disengaged" (74/23), Office of this Paper.

**A** SSISTANT; 22; Lancashire; 6 years' Counter experience. Roberts, 11 Halstead Street, Bolton.

**A** SSISTANT; middle-age; Mixed or otherwise; disengaged. "Marcus," City Stores, St. Davids.

**A** SSISTANT, July 8 or later; 35; single; London, Country, Sea-side; Retail and Dispensing experience; good Dispenser, Salesman, etc. Mr. Nicholson, 4 Warrior Square, St. Leonards.

**D**. DAVIES, Chemist, Llandilo, highly recommends young man as Junior or Improver; opportunity for attending classes essential; abstainer.

**D**ISENGAGED July 8; Locum; permanency; qualified; experienced all branches; tall. "Energetic," 36 Ranelagh Gardens, Stamford Brook Avenue, W.

**D**ISPENSER, Assistant, Surgery Attendant, Relief; willing to do anything; outdoors; unqualified; disengaged; aged 44. "Chemius," 14 Caithorpe Street, W.C.

**E**LDERLY Pharmacist requires post as Superintendent, Dispenser, or Dispenser to Doctor, London. "Statim," 473 Barking Road, Plaistow.

**E**VENINGS, after 5 P.M.; qualified; Counter or Dispensing. "L.," 84 Huntley Street, W.C.

**I**MPROVER (17) desires engagement in good-class Retail and Dispensing business; indoors; experience more important than salary. "K.," 39 Market Place, Barnard Castle.

**J**OHN PYE, 62 Lynette Avenue, Clapham Common, is disengaged.

**J**UNIOR; 18; 4 years' experience, Dispensing; Photographic knowledge. Sibthorpe, 1 High Street, Kenilworth.

**J**UNIOR; 23; unqualified; experienced Counterman, Dispenser; disengaged. Daykin, 34 Stretton Road, Leicester.

**J**UNIOR desires fortnight's engagement from 14th; £1 week indoors, or offer. Fryer, 107 High Street, Bloxwich.

**J**UNIOR, 19 years; 4 years' experience, seeks situation with Chemist; Liverpool preferred, not particular; Dispensing and Photographic knowledge. Robinson, 1 Park Terrace, Whitby.

**J**UNIOR or Improver; age 19; good experience. "Bundy," Dolwen, Gelli, Rhondda.

**J**UNIOR; Locum; unqualified; 23; gentlemanly; experienced; disengaged August 1 to October 1. "J. A. S.," Chemist, 6 Bloomsbury Street, W.C.

**L**IIGHT Porter, Counter, Stock, Photography, etc.; strong; willing worker; 14 years' experience. 68/4, Office of this Paper.

**L**OCUM; Hall; experienced, bookkeeping. 2 Selwyn Road, Upton Manor, E.

**L**OCUM or Manager; qualified; Midlands preferred. "Pharmacist," The Cottage, Dover Street, Bilston.

**L**OCUM Dispenser; Surgeon's or Institution; sober; reliable; free July 18 to August 21 (inclusive); Extractor; moderate salary. Dispensary, 53 Surrey Street, Croydon.

**L**OCUM or permanent; qualified; good appearance; age 39; height 5 ft. 10 in.; town and country experience. Longman, 17 York Chambers, Adelphi, W.C.

**L**OCUM, Hospital; qualified. Irving, 32 Valnay Street, Tooting, London, S.W.

**L**OCUM; disengaged July 15 to 29; qualified; 32; moderate. "Radium," 100A Bellenden Road, Peckham.

**L**OCUM, qualified, disengaged July 11 to August 2, August 18 to 24. 24 Wandsworth Bridge Road, Fulham.

**L**OCUM or permanent; Pharmacist and Surgeon Dentist; all-round experience; 57; single. "Prescrip," 37 Brook Road, Bootle, Liverpool.

**L**OCUM, disengaged from August 20; young; best references, etc. "Chemist," 12 Albany Road, Salisbury.

**L**OCUM, qualified, disengaged July only. J. Green, 124 Russell Avenue, Wood Green, N.

**L**OCUM at liberty from July 16 onwards; unqualified; age 25; salary 35s. weekly; excellent references. Apply, Norman, c/o 13 Rustlings Road, Sheffield.

**L**OCUM Dispenser or permanency; good references. "A.," 117 Fifth Avenue, Queen's Park.

**L**OCUM; Hall certificate; some Hospital experience; testimonials. Address, Crowd, 8 Orsett Terrace, W.

**L**OCUM; Manager or Senior; qualified; 36; tall; Dispensing, Photographic; disengaged. 77/8, Office of this Paper.

**L**OCUM; Hall qualification; middle-aged; life experience; good dispensing; non-smoker; abstainer; 2 guineas weekly; good references. "Excelsior," 143 High Road, Lee, Kent.

**L**OCUM; best experience; abstainer; 27. "Salvarsan," c/o T. H. Bateman & Co., 223 Finchley Road, N.W.

**M**ANAGER; Senior; Locum; 34; qualified; tall; shortly disengaged; permanent position preferred; genuine references; any class business undertaken; satisfaction guaranteed. "R.," 23 Crouch Hill, N.

**M**ANAGER or Locum; Pharmacist; exceptional experience, Photography, Optics, Radiography, Electrotherapy; excellent references; abstainer; married. Garwood, 65 New North Road, N.

**M**ANAGER or Branch Manager; qualified; 38; all-round London experience, Dispensing, Prescribing, Photographic, Window-dressing; outdoors; last situation 7½ years; vicinity of King's Cross preferred. Further particulars "Statim," 23 Compton Street, Regent's Square, W.C.

**P**ART-TIME (25), tall, unqualified, Dispensing, Counter, for 4 or 5 weeks; disengaged now. Apply, "Salix," 49 Elizabeth Street, Belgravia, S.W.

**P**ART-TIME; Minor student; good appearance. 11 Hill Park Crescent, Plymouth.

**P**HARMACIST requires post with view to early Partnership; good knowledge of West-End, provincial, and foreign Dispensing, also Homeopathy and Photography; town with travelling clientele preferred; capital at disposal about £500. "Knowledge" (77/220), Office of this Paper.

**P**HARMACIST; 27; disengaged August and September; West-End experience. "Aspirin," 260 Upper Street, Highbury.

**P**HOTOGRAPHIC Expert, experienced in Drug trade, seeks berth. 36 Church Street, Woolwich.

**Q**UALIFIED Locum disengaged July 8 to August 3; all-round London and Edinburgh experience, Counter, Dispensing, Prescribing; excellent references. "Extractor," 50 Elmhurst Mansions, Clapham, S.W.

**Q**UALIFIED Manager; 32; excellent all-round experience; good references. "Iridin," 10 Lammas Park Road, Ealing.

**Q**UALIFIED; Branch Manager; married; experienced. 73/36, Office of this Paper.

**Q**UALIFIED; Manager or Senior; experienced; steady; 38; single. "Radix," 10 Roman Bank, Skegness.

**Q**UALIFIED (23), disposed of business recently, is booking Locum engagements for July, August, September, and October; going abroad in November. Write, F. W. Wood, Pharmacist, Marsden, near Huddersfield.

**Q**UALIFIED Manager; first-class references; 42; abstainer. Savill, "Cassanet," Southview Road, Southwick.

**Q**UALIFIED Manager; Dispensing, Prescribing; good references; temporary or permanent; moderate salary. "B.," 55 Queen's Road, Bayswater.

**Q**UALIFIED; Locum or permanent; disengaged; Dispensing preferred. "Pharmacist," 20 Willoughby Road, Acton Vale.

**Q**UALIFIED Manager; Liverpool; 20 years' Liverpool experience. "Pharmacist," 63 Kensington, Liverpool.

**Q**UALIFIED; 30; good experience, Dispensing, etc. Robinson, 42 Lichfield Street, Walsall, near Birmingham.

**Q**UALIFIED; Manage, Assist, Locum; permanency; good references; moderate terms. "G." 87 Chalk Farm Road, N.W.

**S**WISS Pharmacist, young, wants situation; speaks French, German, Italian, little English; excellent references. 73/15, Office of this Paper.

**U**NQUALIFIED; Assistant or Manager; experienced Dispenser, Prescriber, Photographic, etc.; age 33; married; disengaged July 15; good references. "Chemicus," 23 Pine Street, Harrogate.

**U**NQUALIFIED temporary Assistant (25) now disengaged; capable of managing small business; highly recommended. Write or wire, Francis, Homestead, Church Lane, Charlton, S.E.

**U**NQUALIFIED, competent, experienced Assistant; 34; married; good Prescriber, Dispenser, Photography; 6 years' reference. Goldsmith, 73 Goldsmith Avenue, Manor Park.

**U**NQUALIFIED; 35; 5 ft. 9 in.; married; Dispenser, Prescriber, Extractor; permanency desired. "Umbel" (72/28), Office of this Paper.

**U**NQUALIFIED competent Assistant; West-End and Suburban experience; Photography, Window-dresser; outdoors. 74/16, Office of this Paper.

**U**NQUALIFIED; Managing Assistant; 40; Dental, Optical, and Pharmacy, with competent wife; last situation 10 years. "Statim" (75/26), Office of this Paper.

**U**NQUALIFIED; 30s.; Branch Manager; all-round experience, Dispensing, Prescribing, Extractions, Veterinary, Agricultural, etc.; age 35; married, no family; disengaged; town or country. Address, "Manager," Barkwith House, 17 Battery Street, Immingham Dock, Grimsby.

**U**NQUALIFIED Assistant desires engagement; outdoors; Store and ordinary experience; good references; disengaged 15th. H. Morris, 45 Adolphus Street, New Cross, S.E.

**U**NQUALIFIED Junior seeks position in West-End Pharmacy; good references. "Yorks," 12 Richmond Road, Bayswater, W.

**U**NQUALIFIED; Manager or Senior; well up in Dispensing, Prescribing, and Counter. "Aspirin," 51 Estate Buildings, Railway Street, Huddersfield.

**U**NQUALIFIED Assistant; well-educated young man, aged 30, of good address, with business ability, desires permanent situation; well conversant with Dispensing, Window-dressing, Stockkeeping, and Counter trade; tenable references; Yorkshire and Northern districts preferred. "Reliable" (70/28), Office of this Paper.

**U**NQUALIFIED; outdoors; 30; Window-dresser, Photographic, Dispensing, Optics. "J. S. P." (63/10), Office of this Paper.

**W**HOLE or Part-time Situation, London or suburbs. 70 Ram-bury Road, St. Albans.

## WHOLESALE.

Trade circulars, samples, and printed matter can in no case be forwarded.

**A**DDITIONAL Agency wanted by Traveller representing London Drug house in Scotland. 47/21, Office of this Paper.

**A**S Laboratory Manager or other position of trust; Major; age 34; thoroughly practical experience in Manufacturing, Analytical, and Office work. 74/24, Office of this Paper.

**B**UYER, Printing Paper, Stationery, to Wholesale Chemists and Druggists, desires change; practical printer; thorough knowledge all classes Paper and Bookbinding; fully conversant best sources supply; moderate salary for good berth. 73/12, Office of his Paper.

**E**XPORT.—Travelling or Managerial; excellent Oriental connection, all lines. 62/320, Office of this Paper.

**G**ENTLEMAN (37), with sound business experience, qualified Chemist, wishes engagement with Wholesale firm or Speciality Manufacturers; organiser; accustomed control of staffs; no objection part Travel, London; interview. "Enterprise" (73/13), Office of this Paper.

**G**ENTLEMAN; 39; sound experience in Warehouse Management, including Export work; good organiser and disciplinarian; or would travel, having excellent connection in North England, including all Lancashire and Scotland. 75/22, Office of this Paper.

**P**HARMACIST (27) seeks engagement; West-End Retail and Manager experience. 49 Osney Crescent, N.W.

**Q**UALIFIED (Medallist) requires position as Traveller, Drugs, or in Wholesale. "E." 30 Estcourt Road, Balham.

**Y**OUNG gentleman (24), desiring outdoor or Colonial work, requires to Represent a well-known firm or Proprietary; 9 years' first-class experience in the trade; slight experience on the road. Full particulars, re salary, etc., to 70/27, Office of this Paper.

## SITUATIONS WANTED

### (Colonial, Indian, and Foreign).

**1s.** for 12 words or less; **6d.** for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

*This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.*

**Y**OUNG man, age 24, desires any situation abroad; present occupation packing warehouseman; passage paid with full particulars. Apply "A." (72/21), Office of this Paper.

## MISCELLANEOUS.

**M**CADAM & TUCKNICK, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.

**S**HARES FOR SALE (free of commission, subject).—35 Allen and Hanburys' "B" Preference, 23s. 10*½*d.; 6 W. J. Bush Preference, 82s.; 100 Bovril Ordinary, 22s. 7*½*d.; 25 Lever £10 5 per cent. Preference, £1 14s.; 250 G. B. Kent Preference, 15s. 7*½*d. x.d.; 100 Idris "A" Preference, 6s.; 50 Lewis & Burrows £1 6 per cent. Preference, 1s. 4*½*d.; 300 Sandow's Cocoa Preference, 2s. discount; 350 Wright Layman 6 per cent. Preference, 21s. 1*½*d.

**W**ANTED (subject).—40 Evans Lescher Preference, 100s. 6*½*d.; 100 G. B. Kent Preference, 14s. 6*½*d. x.d.; 40 John Knight Ordinary, 21s. 9*½*d.; 40 Vi-Cocoa Preference, 7s. 3*½*d.

List of Shares for Sale and Wanted sent free on application. Every effort made to effect business for Buyers or Sellers in all Stocks and Shares. Bankers, London County and Westminster.

**C**HEAP LINES IN SECOND-HAND FITTINGS, BOTTLES, etc.

—A very attractive 12-ft. Drug Fixture, comprising 12-ft. glass labelled Drawers, Lockers under, Bottles Shelves, Pilasters, and Cornice, £10 15*½*s.; 1 very good 2-ft. Perfume Case and Desk, 40s.; 1 5 ft. 6 in. Dispensing Screen, 50s.; 1 10-ft. Counter, 50s.; 4 30-oz. Oil Bottles, 10s.; 1 8-ft. Wall Case, £6; 135 Stoppered Rounds, gold labelled, £4 12s. TOMLINSON & SONS, Headquarters for Chemists' Shop Fittings, Bond Street, Constitution Hill, Birmingham.

**P**RINTING FOR CHEMISTS.—Labels, Wrappers, Lists, Folders, Handbills, Stationery; first-class, up-to-date work at very low prices; it costs you nothing to see samples and get quotations; Handbills from 10,000 10*½*s. 9d.; Prescription-envelopes, 1,000 4s. 3*½*d.; Billheads, Memos, Cards, 1,000 3*½*d. 9d.; all carriage paid. Established 1895. Walter Knight (C.), Printer, Rushden, Norths.

**S**ECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.C.

**C**HEMISTS' Shopfittings.—Window Enclosures, Showcases, Silent Salesmen, Dispensing Screens, Wall-cases, Perfume-cases, Glass-front Serving Counters, Drug Drawers, Counter Drawers, second-hand, shop soiled, at unbeaten prices; you can't do better; 30 years fitting Pharmacies. Send for free estimate, George Cook, The Working Shopfitter, 30 Buttesland Street, East Road (near Old Street Tube Station).

**CHEMISTS' SHOPFITTINGS** (second-hand).—Very large quantity of Wall Fittings, Show-cases, Dispensing Screens, Perfume-cases, etc., etc., to clear for cash; great bargains; call and view, or send sizes of what you require; these goods must be sold. PHILIP JOSEPHS, 93 Old Street, Goswell Road, London, E.C.

### 9d. for 4d.

That's how it looks on paper, but whether you get it or not depends on (a) the average rate of sickness in and (b) the economical management of the Society you join. Both of these are strong features in your own Society—**THE CHEMISTS' FRIENDLY**. A postcard to the Manager will convince you.

William McCALLUM, C.A., Manager C.F.S., 194 St. Vincent St., Glasgow.

### SEND FOR PARTICULARS OF SPECIAL OFFER

AT ONCE, together with Booklet, "How to Increase Your Business," explaining my system and methods. Up-to-date advertising and refined ideas are my specialty. Read what a Pharmacist says re my new scheme:—"Your new advertising scheme is a very good one, and removes the difficulty often experienced, especially by the Country Pharmacist, viz., the possibility of getting sufficient variety of advertising matter without a large quantity of surplus and waste." Pharmacists only supplied. Send a postcard to-night.

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

### STILL THINKING ABOUT IT?

Whilst you are still thinking about it, 925 British and Colonial Chemists are using the Bernard Slack System of Increasing Chemists' Businesses, and making more in consequence. My FREE Booklet tells all about it. Get it NOW.

BERNARD SLACK, 9 King St., Wolverhampton. Nat. Tel. 581.

## ANIMAL SUBSTANCES.

A firm receiving daily large quantities of animal substances—THYROIDS, SUPRARENALS, PITUITARIES, OVARIES, &c., of SHEEP, OX and PIG—seeks consumers.

Willing to supply any quantity, daily fresh and at lowest rates.

### SHEEP THYROID GLANDS 3/9 per 100 prs.

Apply to—

"ANIMAL SUBSTANCES," 60/27 Office of this Paper.

USE BEST BOTTLES ONLY.  
WILL YOU PLEASE TRY OURS.

### I. ISAACS & CO.'S PRESENT PRICES

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.

The New Shape, Oval Fronted Bottles, 6 ounce size, 9/- per gross. A Sample Free on Application.

#### FIRST QUALITY.

3 & 4 6 & 8 12 16 ounce. } Round edges, plain or  
10/- 11/- 18/- 20/- per gross } graduated, quinine tinted.

#### SECOND QUALITY.

3 & 4 6 & 8 12 16 ounce. } Round edges, plain or  
8/- 9/- 13/- 18/- per gross } graduated, clear bluetinted.

#### PANEL BOTTLES (New Series), Green or Blue Glass.

#### Good Quality.

1 2 2½ 4 6 8 10 ounce. } In ordering please say if  
7/6 8/- 9/- 10/- 10/6 13/- per gross } green or blue is required.

#### WHITE PHIALS—GOOD QUALITY.

½ 1 1½ 2 ounce.  
3/6 4/- 4/6 5/6 per gross } Plain or teaspoons.

Six gross and upwards, assorted or otherwise, sent carriage paid to any address in the United Kingdom. Smaller quantities not carriage paid.

Established 120 years. Bankers: London County and Westminster Bank.

## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

### FOR DISPOSAL.

#### SHOP FITTINGS.

DISPENSING screen, mahogany, 7 ft. 4 in. long, marble front, side cases mirrored. MILNE, Trinity, Edinburgh.

#### MISCELLANEOUS.

KODAK, No. 2 Plate, 5s.; printing press, type and accessories, 10s. W. WEBSTER, 291A Normanton Road, Derby.

COUNTER scales, pillar, brass on mahogany, 12-in. beam, height 26, drawer; also cardboard boxes, 2½ by 2 by 1. 59 Selsdon Road, West Norwood.

OLD stock; a "Revolver" emulsifying machine, with gunmetal drum, 10 gall. capacity, for power; latest pattern; usual price £35; will accept first reasonable offer. BENNETT, SONS & SHEARS, LTD., Farringdon Works, Shoe Lane, E.C.

MUSPRATT'S "Chemistry," chemical scales in glass case, large bookcase, and books for sale. BRIGGS, 33 Seaford Road, W. Ealing.

TICKET-PRINTER (May Roberts), 7s. 6d.; B.P., 4s. 6d.; 2 Mennen's powders, 1 Mackenzie's salts, 2 Gosnel's tooth-paste, 2 Massolettes, 3 laetic tablets, 4 Brand's Ess., 3 Guy's tonic 2s. 6d., 2 Hayman's balsam, 2 Crosby's elixir, 3 Woods' peppermint, 2 Porter's oil, 1 Allen's hair-restorer, 1 Hood's sarsaparilla, ditto 1 4s. 6d., 1 each Scott's emulsion 1s., 2s. 6d., 4s. 6d.; 3 Calvert's acid No. 5, 6 sulphine soap, 6d.; all clean, small sizes; Bovinine, 2 small, 1 2s. 6d., slightly soiled; above lot for 10 per cent. off list price. 1 each pills 1s. Townsend's, Warner's, Paternoster, Norton's, Brandreth's, Guy's, Hood's, 2 Whelpton's, 1 ditto 7½d.; 3 Rooke's elixir, 3 Teyel's plasters, 1 Hood's plasters, 2 Hood's ointment, 2 Lineel liniment, 2 Omega oil, 3 Poor Man's Friend, 2 Fennings' powders, 4 Clark's ointment, 2 Barton's powders, 1 Cassel's relief, 1 Homoeos, 1 Keating's lozenges, 1 Fairchild's powders, 1 Wellar's Ess., 2 James' depilatory, 1 Frog, 1 Pazo, 1 Hockin's cure, 1 Schiffman's, 2 Sawyer's powders 7½d., 6 Coaguline 6d., 1 Stuart's wafers; all shop soiled; the lot for £1, or offers. "CHEMIST," 123 Chillingham Road, Newcastle.

### WANTED.

DISPENSING scales, good condition, cheap. E. S. STONE, Chemist, Watford.

ONE dozen second-hand shop jars, 4 lb., pink, dome top, gold labelled; in good condition and cheap. 75/35, Office of this Paper.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

POWER-DRIVEN mixer, also a sifter with crushing rolls for about 150 lb. capacity; suitable for baking-powder, etc.; Gardner's or other good make preferred. SMALE, Crawford Terrace, Ashton-under-Lyne.

## GAZETTE.

#### Partnerships Dissolved.

JOBSON, T. B., and McCUSAUD, J. E., "Trelyon," High Road, Ilford, Essex, surgeons and general medical practitioners.

PRESTON, H. O., and PRENTICE, Z., The Surgery, Crayford House, Lower Bridge Street, Canterbury, medical practitioners, under the style or firm of Preston & Prentice.

TABB, J. F., and DAVIES, H., 234 Trafalgar Road, Greenwich, physicians and surgeons.

WHEATLEY, R., and RHODES, E., 4 Park Place, Torquay, dental surgeons, under the style or firm of Wheatley & Rhodes.

#### The Bankruptcy Acts, 1883 and 1890.

##### RECEIVING ORDER.

PETERS, J. A., Moorland Road, Oldfield Park, and Claverton Buildings, Widcombe, physician and surgeon.

##### ADJUDICATION.

JOHNSTONE, N., Union Street, lately Medical Institute, Waller Street, Luton, medical practitioner.

## SUMMER OUTINGS.

**D. F. & Co. at Gullane.**—The fourteenth annual picnic of Messrs. Duncan, Flockhart & Co., Edinburgh, took place on June 29, when five large brakes conveyed the employés to Gullane. The annual sports were held after dinner.

**At Loch Leven.**—The employés of Mr. T. Harley, chemist, Perth, enjoyed their first annual outing on June 26, when a party of about twenty drove in brilliant sunshine up Glen Farg to Kinross and Loch Leven. They had an excellent time.

**The Students** of the Westminster College of Pharmacy visited the works of the British Oxygen Co., Ltd., Everton Street, Westminster, on Thursday, June 20. They had the preparation of oxygen fully explained to them, and experiments with the oxygen-acetylene flame (temp. over 6,000° F.) were shown.

**Blackpool Excursion.**—The employés of Messrs. R. Sumner & Co., wholesale druggists, Lord Street, Liverpool, along with their wives and sweethearts, journeyed to Blackpool on June 29 for their annual excursion. The party, numbering about one hundred, journeyed by special saloons, and spent a glorious day visiting the many attractions at this fine seaside resort.

**The Botanical Excursion** of the Edinburgh Chemists', Assistants', and Apprentices' Association on Friday, June 28, was at Colinton, Mr. William Duncan, Ph.C., F.C.S., being the guide. Some good specimens were collected, and the interesting observation was made that the leaves on the lower branches of a lime-tree were infested with galls, while the leaves of the upper branches were free.

**A Margate Trip.**—The employés of Geo. Curling, Wyman & Co., Bunhill Row, London, E.C., visited Margate on June 29 for their annual outing. A capital dinner was served at the Randolph Hotel, the chair being taken by Mr. Brookes, Mr. Parkes occupying the vice-chair. Sympathetic references were made after dinner by both the chairman and vice-chairman to the recent death of Mr. John Wyman. Excursions were made to the various places of interest in the district. The company regained town about 10.15 P.M. after an ideal day.

**Baiss Bros.' "Beano."**—The annual "beano" of the employés of Messrs. Baiss Bros. & Stevenson, Ltd., Bermondsey, London, S.E., was to Bournemouth on June 29, a party of over fifty sitting down to dinner at the Quadrant Hotel. Mr. Wilfrid Daniel, who took the chair, gave the toast of "The Good Old Firm." He spoke in feeling terms of the kindness of those "fine old English gentlemen" Mr. Arnold and Mr. Sidney Baiss. The toast was accorded musical honours. Drives to Poole and sea-trips to Swanage concluded another happy outing by the seaside.

**Evans's Outing.**—The employés of Messrs. Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C., spent their annual outing in Hadley Woods on June 29. The showery weather of the morning gave way to brighter weather later on, thus allowing the sports to be held during the afternoon. The most important of the various events was the departmental relay race, for which a handsome silver cup had been presented by the directors. Tea was served outdoors, Mr. Harold Webb, who occupied the chair, being accompanied by Mrs. H. E. Webb and Miss Webb. An alfresco concert made a very happy ending to an enjoyable day.

**Ford, Shapland's Outing.**—The fifty-sixth annual outing of the employés of Messrs. Ford, Shapland & Co., chemists' printers, Great Turnstile, London, W.C., took place on June 29 to Herne Bay. Dinner was served at the Dolphin Hotel, Mr. H. Courtier presiding. In replying to the toast of "The Firm," he pointed out that increasing business had made it necessary to have a night staff at work. The principals were determined to meet their customers' requirements, and were adding more new machinery. The musical programme included solos on the oboe by Mr. Royé. The stewards, Messrs. H. Briggs and W. T. Cotter, were thanked for their excellent arrangements.

**Three Towns Trip.**—The members of the Plymouth, Devonport, and Stonehouse Association of Pharmacists, with their friends, spent an enjoyable afternoon on June 26, the party leaving Plymouth by coach at 2 P.M. for an interesting drive to Cornwood and the famous Haws and Dendles, passing through the picturesque villages of Luton and Sparkwell. On reaching their destination a game of cricket (Ladies v. Gentlemen) was indulged in, some remarkable feats being accomplished. High tea was served at Wisdome Mill, after which the President (Mr. J. Davy Turney) briefly thanked Mr. and Mrs. F. A. Spear for their splendid arrangements. Some two hours were spent in the lovely woods of the Blachford Estate before starting on the return drive.

**Hewletts' at Hastings.**—The staff of Messrs. C. J. Hewlett & Son, Ltd., journeyed to Hastings on June 29 for their annual outing. The morning was spent in boating, walking, etc. An excellent dinner was provided at the Waverley Hotel, at which Mr. E. J. Millard, F.C.S., managing director, took the chair. He was supported by Mr. Vivian C. Hewlett and Mr. J. D. Allman, directors. The Chairman, in replying to the toast of "Success to the Company," said the undeviating progress of the business during its eighty years of existence was due to the broad lines upon which it was founded and the high standard which had been maintained. Most of the company drove to Battle Abbey in the afternoon, where tea was partaken. At 7.40 P.M. a start was made for London, after an enjoyable day favoured with remarkably fine weather.

**On the Severn.**—The annual outing of the Worcester Chemists' Association, held on June 27, was varied—viz., a rail ride to Kidderminster, tram to Stourport, and on a steamer down the Severn to Holt Fleet. The party included the President and Mrs. Fellows, Mr. E. E. Hall, Mr. Corfield (Birmingham), Mr. and Mrs. Buckingham (Birmingham), Mr. and Mrs. F. J. Gibson, Mr. and Mrs. Bowdler, Mr. and Mrs. Dunn, Mrs. Kitchen, Councillor and Mrs. F. A. Wilcock, Mr. and Mrs. Warner, Mr. and Mrs. Marlow, Mr. and Mrs. Stanway, Mr. and Mrs. Scholfield, Mr. and Mrs. Phillips, Mr. and Mrs. Cullwick, the Secretary (Councillor J. H. Coleman) and Mrs. Colman, Mr. Thorne, and Mr. Marsh. Mr. E. E. Hall (Vice-President) presided at tea in the absence of the President, who missed his train but managed to join the party later.

**Pharmacists' Launch Trip.**—Notwithstanding an overcast morning, on Wednesday, July 3, about one hundred and fifty pharmacists and their friends assembled at Paddington station to join the 9.15 train for Taplow. Arriving there at ten, carriages conveyed them to the s.l. *Gaiety*, which was lying at Maidenhead bridge. The river trip thus began. At Boulter's Lock a photograph was taken of the party. Marlow was reached at 1.15, where, at the Crown Hotel, luncheon was served. After it and the loyal toast, Mr. F. Harvey proposed "The Ladies" in a witty speech. The Mayor of Henley (Mr. G. Turton Green, J.P., pharmacist) replied, and proposed the health of Mr. A. Higgs, J.P., who had made the arrangements for the trip. Mr. Higgs having replied, the party separated until 3.30, when they again embarked on the launch, and Messrs. J. F. Harrington and Edmund White joined them. Tea was served on board by Mrs. Harvey, Miss Dorothy Higgs, and Miss Summers, Henley being reached about 5.30, and the launch, under special permit, proceeded through the course. Shiplake was reached at about 7 P.M., where a special train was in waiting to convey the party back to London. The party voted it as the most enjoyable of the series promoted by the three Chemists' Associations which had been held. Among those present were Mrs. Harrington, Mrs. Philip, Mrs. Edmund White, Mrs. G. Turton Green, Mrs. Browne, and Mrs. C. Martin, besides many well-known gentlemen connected with the drug-trade.

**Visit to Wingfield Manor.**—The annual picnic of the Nottingham Pharmaceutical Association was held on June 27. The party, which assembled at the Midland station at 2 P.M., included the President (Alderman R. FitzHugh, J.P.), with Mrs. and Miss FitzHugh, Mr. and Miss Bolton, Mr. and Mrs. Gill, Mr. and Mrs. Sergeant, Mrs. Burnage, Mme. Wilson Moulds, Mrs. and Miss Parkes, Mr. and Mrs. Dickenson and friend, Mr. and Mrs. Whitchurch, Mr. and Mrs. Wilson, Mr. and Mrs. Brown, Mr. and Mrs. Rayson, Mr. and Mrs. Smith, Mr. and Miss Williamson, Councillor Cook, Messrs. Clarke, Carr (Vice-President), Robson, Reynolds, Davis, Russell, and Freeman. A short train journey was pleasantly passed in reserved carriages, and wagonettes awaited their arrival at Alfreton station to convey the excursionists through the charming woodland scenery to Wingfield Manor. After surmounting the hill upon which the ruins are situated, an hour was occupied in inspecting the beauties, assisted by the local guide. Tea was served under the shade of a spreading walnut-tree, whose roots cover the site of apartments once occupied by Mary Queen of Scots. After doing justice to the repast, which lost none of its charm through part of it having to be partaken umbrella in hand—a summer shower intervening—the visitors rambled about the ruins, many climbing the towers and enjoying an extensive view of the Derbyshire hills. Some very successful photographs were taken before more showers caused a move to be made in the homeward direction. All met at Alfreton station, and a speedy return was made to Nottingham.

**The Annual Outing** of the employés of Messrs. F. Newbery & Sons, Ltd., was at Elstree on Saturday, June 29. Over fifty gentlemen were present, including country and town representatives, and in spite of the showery weather

a very pleasant time was spent. A cricket-match had to be abandoned, but the interest created by a visit of a number of aeroplanes made up somewhat for the lost game. At five o'clock the company sat down to an excellent repast in the Plough Inn, and after dinner the remainder of the evening was spent in a vocal and instrumental concert, at which Mr. E. Pickering presided, Mr. A. Homewood being vice-chairman. In toasting the firm, the Chairman referred in feeling terms to the late Mr. Lionel Newbery, and, among other things, commented on the Select Committee on Secret Remedies and the National Insurance Act. Mr. F. R. L. Newbery (Chairman of the company) responded in a pleasant speech, and related several incidents connected with his

employés and the cordial relations between the directorate and staff. On the motion of Mr. Lucioni hearty votes of thanks were accorded to Mr. Dodd and Mr. Hanbury for their presence and encouragement in the day's enjoyment. An impromptu concert and dance concluded a most happy day.

## Athletics and Sport.

"ALLENBURY'S" C.C. easily defeated May & Baker's C.C. in the cricket-match played at Earlsfield on June 22. Scores: "Allenburies," 87; M. & B., 19. Stokes took six wickets for 5 runs. Porter (27) and Whittall (20 not out) batted well for the winners.

BURGOYNE, BURRIDGES C.C. met May & Baker's C.C. at Wadham Lodge on June 29, the match resulting in a draw. The M. & B. team were all out for 61, and after Revell and Gardner had scored 15 for Burgoynes, the match had to be abandoned owing to bad weather.

STEVENSON & HOWELL'S C.C. engaged The British Drug Houses C.C. at Mottingham on June 22, when the former won easily by 131 runs. Scores: S. & H., 173; B. D. H., 42. For the winners C. A. Wrench scored 54, and E. Baynton secured five wickets for 15 runs.

BOWLING.—The annual match between the bowling section of the Edinburgh Pharmacy Athletic Club and Glasgow chemists was held at the Titwood Bowling Green, Glasgow, on June 26, when Edinburgh was represented by



THE NEWBERY PARTY.

recent visit to the States. Mr. P. Le B. Newbery also spoke, wishing the party every happiness, and regretted that his father, Mr. A. Le B. Newbery, could not be present. The toast of "The Chairman," proposed by Mr. A. Homewood, was received with acclamation and musical honours. Mr. A. White thanked those who contributed to the musical part of the programme, and Mr. P. M. Short, B.Sc. (of the Trommer Co.), supported, Mr. Frederick Pickering replying.

**The Fourth Annual Athletic Meeting** of the Bethnal Green employés of Messrs. Allen & Hanburys, Ltd., was held in the grounds of the Crown Hotel, Broxbourne, on Saturday, June 29. The party left Liverpool Street with the 12.40 train, and by two o'clock the sports had commenced. The programme comprised many interesting events, which are detailed below, along with the names of the successful competitors:

100 Yards Handicap.—1, A. Dutfield; 2, J. Oliver; 3, E. T. McCarthy.  
30 Yards Egg and Spoon Race (Ladies).—1, M. Richee; 2, D. Englefield; 3, R. Anderson.  
220 Yards Scratch Race.—1, Gregory; 2, G. Masson; 3, A. Webber.  
70 Yards Level Race (Ladies).—1, R. Anderson; 2, D. Stone; 3, F. Young.  
880 Yards Handicap.—1, H. Tovill; 2, S. Sanders; 3, E. T. McCarthy.  
440 Yards Flag Race (Ladies).—Won by office team: K. Jones, A. Mitchell, A. Wessendorff, D. Stone, E. N. Orchard.  
80 Yards One-legged Race.—1, H. Burling; 2, A. Gale.  
80 Yards Skipping Rope Race (Ladies).—1, A. Wessendorff; 2, M. Richee; 3, A. Shiels.  
100 Yards Swimming Handicap.—1, J. F. Dewen; 2, J. Oliver; 3, W. H. Johnstone.

Mr. Reginald J. Hanbury acted as referee to the judges, and the M.C.s were Messrs. F. Lucioni and A. V. Croßman. The last item on the programme was perhaps the most popular. J. Oliver, the scratch man, swam a very good race, which excited much enthusiasm. During the afternoon a few heavy showers interfered somewhat with the sports, but notwithstanding all the races were run, and high tea was served in the large hall of the hotel at the appointed hour, 5 p.m., when nearly four hundred sat down, Mr. W. Ralph Dodd, F.C.S., being in the chair, and he was supported by Mr. Reginald Hanbury and the heads of departments. After tea Mr. Dodd presented the prizes to the winners. Among those who had given prizes were Mr. and Mrs. F. J. Hanbury, Mr. Reginald J. Hanbury, Mr. F. Capel Hanbury, Mr. W. R. Dodd, Mr. A. J. Rickford, and Mr. W. Lewis. The gifts were handsome, and the half-dozen silver bowls given to some of the ladies were very dainty. Mr. Dodd, in a short address, commended the annual outings as a means of maintaining the good fellowship which exists among the

Messrs. Robinson, Ritchie, Ryrie, Nesbit, J. Drummond, H. P. Morrison, R. Smith, J. A. Cochrane, Williamson, J. M. Hamilton, Heddle, Noble, Anderson, Taylor, Gordon, and Marshall. Messrs. D. Moir, W. Sivewright, J. Greig, C. B. Lee, Balfour Reekie, J. B. McVitae, W. Ross, G. S. Kitchin, W. S. Galbraith, H. G. Gray, Mungo Wallace, Geo. Macdonald, H. P. Arthur, W. J. Moffatt, I. Hyslop, and A. McKeilar were the Glasgow players. Glasgow won by 28. The game was most enjoyable and keenly contested. Among those who witnessed it were Messrs. R. McAdam, J. P. Gilmour, J. W. Sutherland, J. Foster, Jas. Moir, J. H. Hart, W. R. Hatrick, and F. Bond. The party and friends afterwards had high tea at the Royal Restaurant, Mr. J. H. Hart, as President of the Glasgow and West of Scotland Chemists' Association, being in the chair. The remainder of the evening until train time was devoted to toast, song, and sentiment. The Secretaries of the clubs were cordially thanked, and, on behalf of Mr. Robert McAdam, Mr. J. P. Gilmour presented prizes to Messrs. McVitae, Balfour Reekie, W. Ross, and G. Kitchin as winners in highest rink. During the evening it was announced that Mr. Foster had made a most handsome donation to the funds of the Glasgow Pharmacy Athletic Club. Mr. Kitchin has also given a handsome donation, and Mr. I. Hyslop has placed four gold medals at the disposal of the President.

## COMING EVENTS.

Tuesday, July 9.

National Insurance Act. Meeting of chemists and their employés at 17 Bloomsbury Square, London, W.C., at 8.30 p.m., for the purpose of hearing Mr. Thomas Guthrie, President of the Chemists' Friendly Society, on the National Health Insurance Act. A large attendance is particularly desired. The meeting has the support of chemists' assistants' organisations in London, and questions will be invited for Mr. Guthrie to reply to.

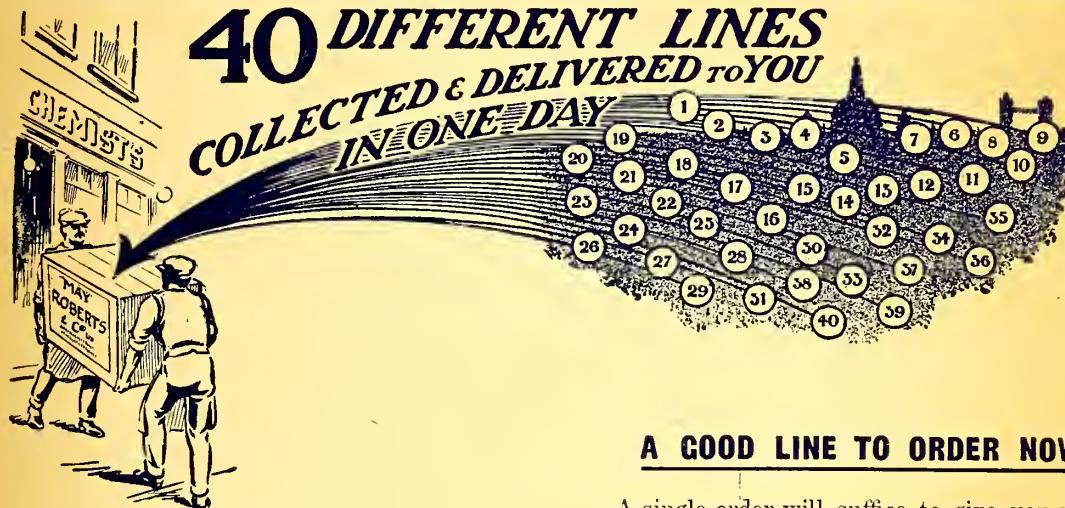
Wednesday, July 10.

National Federation of Ophthalmic Opticians, Midland Hotel, Manchester, at 2.30 p.m. Lectures entitled "The System to be Followed in Examining Eyes," by Dr. Wm. Ettes, and "Physical and Chemical Actions of Light," by Professor W. W. Haldane Gee. A cordial invitation is extended to all interested in the subjects.

Thursday, July 11.

Derby Chemists' Association. Bell Hotel at 9 p.m. Mr. W. J. Uglov Woolcock on "Pharmaceutical Politics." P.A.T.A. and C.D.A., Anderton's Hotel, Fleet Street, at 3 p.m.

# May, Roberts' Traveller.



To know that his order—no matter how large or how small—will be filled with the utmost care and promptness is great satisfaction to the pharmacist. Many sales are missed and customers lost because an order which should have been executed to-day is executed to-morrow—or later. That this does not happen to the chemist or druggist who sends his orders to May, Roberts is shown by the following note of application—recently written by a customer:—

Dear Sirs,  
We much appreciate prompt despatch of goods.  
One item of the line (received by you on Wednesday 22nd inst.) was sold here by 11 A.M., Thursday 23rd inst.

For an order of 40 assorted items of Sundries, Drugs, Patents, and Laboratory Fittings, and our counter situated more than 200 miles from your warehouse, we are more than satisfied.

This letter shows how you can make certain of always obtaining *your* goods without annoying delay. When you buy from this house you are never bothered by a traveller—their only traveller is a five-hundred-page catalogue, sent free, from which you order whenever you wish and receive the goods by return.

#### HOW YOU CAN BENEFIT.

If you are not already benefiting by the prompt and careful manner in which this firm fill all orders, make a beginning now by writing for their catalogue and list of Photographic Requisites or sending a trial order. The free 500-page catalogue is well illustrated and carefully indexed. It contains a remarkably complete list of

Druggists' & Surgical Sundries  
Patent Medicines  
Proprietaries  
Glassware  
Brushware  
Etc. etc.

Packed Drugs  
Photographic Goods  
Perfumery  
Proprietary Articles  
Medical Bottles  
Etc. etc.

#### A GOOD LINE TO ORDER NOW.

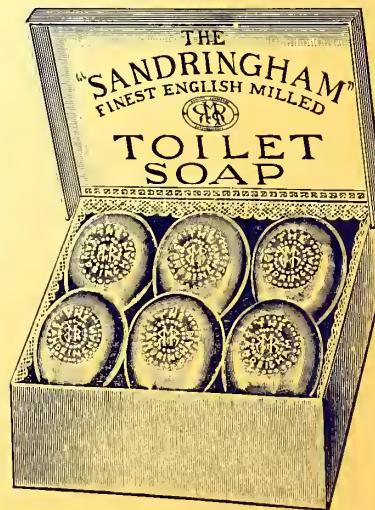
A single order will suffice to give you personal experience of the splendid business methods of May, Roberts. If you send that order to-day it may mean the saving of much time and trouble in future. May, Roberts' Sandringham Soap is a good line to make your start with. It shows a good profit and brings repeat orders.

#### SANDRINGHAM SOAP.

PACKED ONE  
DOZEN TABLETS  
IN A BOX (assorted).

Also in the following  
varieties:—

Brown Windsor  
Buttermilk  
Cold Cream  
Cold Cream and  
Glycerine  
Eau de Cologne  
Glycerine and  
Cucumber  
Lavender  
Moss Rose  
Oatmeal  
Parma Violet  
Sweat Pea  
White Rose and  
Glycerine



PRICE: 17/- PER GROSS FOR TWO GROSS LOTS  
(Carriage Paid).

RETAILS AT 2d. PER TABLET.

LESS THAN TWO GROSS: 18/- PER GROSS WITH  
OTHER GOODS.

Send your order or write for the Catalogue now.

**MAY, ROBERTS & CO., LTD.,**

7, 9 & 11 CLERKENWELL ROAD, LONDON, E.C.,  
and at 16 WESTMORELAND STREET, DUBLIN.

:: FREE SAMPLE ON APPLICATION TO THE STANDARD TABLET & PILL CO., LTD., HOVE. ::



*A Striking Window Poster, illustrated with an enlargement of the above drawing, may be had for either of these preparations.*

**It creates a  
Most Phenomenal Sale.**

# FLEURILISED WAX FOR THE COMPLEXION. Retails at 1/- Price per doz. 6/6

Put up in finest quality Delf Jars, each Jar in carton in marked contrast to the boot polish style of a 3/6 article.

CHEMIST'S OWN NAME on 1 dozen and upwards, or we advise PRINTED AS LOCAL AGENT for LAMOUREUX ET CIE PARFUMEURS.

# VELVIDIUM JELLY

A NOVEL PREPARATION FOR  
PREVENTING & REMOVING WRINKLES.

IN COLLAPSIBLE TUBES,  
EACH TUBE IN SEPARATE CARTON **4/- Per  
Doz.**

OWN NAME & ADDRESS on 1 dozen and upwards,  
or we advise PRINTED AS LOCAL AGENT FOR  
LAMOUREUX ET CIE PARFUMEURS.



## BOURNVILLE COCOA

"HIGHEST GRADE  
BRITISH MADE  
BY TEST THE BEST"



## PATTINSON'S MAGNESIA,

CARBONATE, CALCINED AND FLUID.

THE WASHINGTON CHEMICAL CO., LTD.,  
London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 21 Mincing Lane, London, E.C.  
WASHINGTON, COUNTY DURHAM, ENGLAND.

